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OM nucleic - nucleic search, using sw model

Run on: March 11, 2005, 14:43:41 ; Search time 254 Seconds  
(without alignments)  
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Title: US-09-989-732-269  
 Perfect score: 1332  
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Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 24055568

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Post-processing: Minimum Match 0%  
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Listing first 1500 summaries

Database : Issued Patents NA: \*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES									
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	2	53.6	4.0	7218	1	US-08-232-463-14	Sequence 14,	Appli	
C	3	50.8	3.8	16442	3	US-08-781-891-208	Sequence 208,	App	
	4	50.8	3.8	16442	4	US-09-618-166-208	Sequence 208,	App	
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	6	50.6	3.8	3489	3	US-09-298-568-1	Sequence 1,	Appli	
C	7	50.6	3.8	3489	4	US-09-410-399-1	Sequence 1,	Appli	
	8	50.6	3.8	3489	4	US-09-894-273-1	Sequence 1,	Appli	
C	9	50.6	3.8	32207	2	US-08-770-379-20	Sequence 20,	Appli	
	10	50.6	3.8	32207	3	US-08-757-669A-20	Sequence 20,	Appli	
C	11	50.6	3.8	32207	3	US-09-230-371A-20	Sequence 20,	Appli	
	12	49.4	3.7	191	4	US-09-621-976-18332	Sequence 18332,	A	
C	13	48.4	3.6	601	4	US-09-949-016-169225	Sequence 169225,		
	14	48.4	3.6	732	3	US-09-149-476-66	Sequence 66,	Appli	
C	15	48.4	3.6	1662	4	US-09-668-097A-13	Sequence 13,	Appli	
	16	48	3.6	558	4	US-09-043-861-3	Sequence 3,	Appli	
C	17	47.4	3.6	746	3	US-09-013-810-1	Sequence 1,	Appli	
	18	47.4	3.6	1342	4	US-09-489-847-89	Sequence 89,	Appli	
C	19	47.4	3.6	1926	3	US-09-249-585A-2	Sequence 2,	Appli	
	20	47.4	3.6	1926	4	US-09-410-399-3	Sequence 3,	Appli	
C	21	47.4	3.6	2045	3	US-09-152-060-22	Sequence 22,	Appli	
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c 102	43.4	3.3	396	4	US-09-970-966-53	Sequence 53, Appl	175	42.2	3.2	1364	1	US-08-265-087-3	Sequence 3, Appl
c 103	43.4	3.3	2601	3	US-08-569-749-3	Sequence 3, Appl	176	42.2	3.2	1364	1	US-08-621-493-3	Sequence 3, Appl
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c 105	43.4	3.3	2601	5	PCT-US96-12860-3	Sequence 3, Appl	178	42.2	3.2	1364	3	US-09-260-173-3	Sequence 3, Appl
c 106	43.2	3.2	396	4	US-09-640-173-33	Sequence 33, Appl	179	42.2	3.2	1540	3	US-08-977-001-2	Sequence 2, Appl
c 107	43.2	3.2	396	4	US-09-713-550-33	Sequence 33, Appl	180	42.2	3.2	5173	1	US-08-242-677-1	Sequence 1, Appl
c 108	43.2	3.2	396	4	US-09-825-294-33	Sequence 33, Appl	181	42.2	3.2	7724	1	US-08-486-049-1	Sequence 1, Appl
c 109	43.2	3.2	396	4	US-09-970-966-33	Sequence 33, Appl	182	42	3.2	7724	1	US-08-702-344-26	Sequence 26, Appl
c 110	43.2	3.2	960	3	US-09-248-335-57	Sequence 57, Appl	183	42	3.2	300	4	US-09-621-976-16227	Sequence 16227, A
c 111	43.2	3.2	1411	3	US-08-964-127-5	Sequence 5, Appl	184	42	3.2	958	2	US-08-757-046A-5	Sequence 5, Appl
c 112	43.2	3.2	1411	3	US-09-496-692-5	Sequence 5, Appl	185	42	3.2	958	3	US-09-447-208-5	Sequence 5, Appl
c 113	43.2	3.2	1411	4	US-10-000-273-5	Sequence 5, Appl	186	42	3.2	958	3	US-09-135-988-5	Sequence 5, Appl
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c 115	43.2	3.2	2218	4	US-09-016-434-1157	Sequence 1157, Ap	188	42	3.2	958	3	US-08-597-774A-5	Sequence 5, Appl
c 116	43.2	3.2	2218	4	US-10-329-668-7	Sequence 7, Appl	189	42	3.2	958	3	US-08-908-909-5	Sequence 5, Appl
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c 118	43.2	3.2	4931	3	US-08-726-320-2	Sequence 2, Appl	191	42	3.2	958	3	US-08-990-103-5	Sequence 5, Appl
c 119	43.2	3.2	4931	3	US-09-208-716-2	Sequence 2, Appl	192	42	3.2	958	4	US-09-746-485A-5	Sequence 5, Appl
c 120	43	3.2	396	4	US-09-640-173-10	Sequence 10, Appl	193	42	3.2	958	4	US-10-126-139-5	Sequence 5, Appl
c 121	43	3.2	396	4	US-09-713-550-10	Sequence 10, Appl	194	42	3.2	958	4	US-10-126-798-5	Sequence 5, Appl
c 122	43	3.2	396	4	US-09-825-294-10	Sequence 10, Appl	195	42	3.2	958	4	US-10-126-777-5	Sequence 5, Appl
c 123	43	3.2	396	4	US-09-970-966-10	Sequence 10, Appl	196	42	3.2	1738	4	US-09-918-909A-27	Sequence 27, Appl
c 124	43	3.2	2271	4	US-09-205-258-243	Sequence 243, App	197	42	3.2	2280	3	US-08-813-150-1	Sequence 1, Appl
c 125	43	3.2	2276	4	US-09-205-258-183	Sequence 183, App	198	42	3.2	2280	4	US-09-546-553-1	Sequence 1, Appl
c 126	43	3.2	3200	1	US-08-444-405-1	Sequence 1, Appl	199	42	3.2	3319	3	US-08-335-844A-15	Sequence 15, Appl
c 127	43	3.2	3200	1	US-08-384-850-1	Sequence 1, Appl	200	42	3.2	3319	4	US-09-129-366-15	Sequence 15, Appl
c 128	43	3.2	5894	3	US-08-665-259-24	Sequence 24, Appl	201	42	3.2	3715	4	US-09-234-245-1	Sequence 1, Appl
c 129	43	3.2	5894	3	US-08-762-500-24	Sequence 24, Appl	202	42	3.2	3715	4	US-09-253-691-3	Sequence 3, Appl
c 130	43	3.2	6525	3	US-08-762-500-74	Sequence 74, Appl	203	41.8	3.1	397	4	US-09-601-537-10	Sequence 10, Appl
c 131	42.8	3.2	451	4	US-09-621-976-2738	Sequence 2738, Ap	204	41.8	3.1	441	4	US-09-936-885A-1	Sequence 1, Appl
c 132	42.8	3.2	1066	1	US-08-157-101A-4	Sequence 4, Appl	205	41.8	3.1	593	3	US-09-385-982-262	Sequence 262, App
c 133	42.8	3.2	1277	4	US-09-461-325-20	Sequence 20, Appl	206	41.8	3.1	990	4	US-09-800-729-79	Sequence 79, Appl
c 134	42.8	3.2	1277	4	US-10-012-542-20	Sequence 20, Appl	207	41.8	3.1	1098	3	US-09-248-335-35	Sequence 35, Appl
c 135	42.8	3.2	1277	4	US-10-115-123-20	Sequence 20, Appl	208	41.8	3.1	2230	3	US-08-378-313-24	Sequence 24, Appl
c 136	42.8	3.2	1370	3	US-09-026-408-12	Sequence 12, Appl	209	41.8	3.1	2895	4	US-09-706-197-3	Sequence 3, Appl
c 137	42.8	3.2	1370	4	US-09-902-684-12	Sequence 12, Appl	210	41.8	3.1	4121	4	US-09-601-537-9	Sequence 9, Appl
c 138	42.8	3.2	1371	3	US-09-026-408-1	Sequence 1, Appl	211	41.8	3.1	374159	4	US-09-949-016-15868	Sequence 15868, A
c 139	42.8	3.2	1371	4	US-09-902-684-1	Sequence 1, Appl	212	41.6	3.1	140	1	US-08-628-417-5	Sequence 5, Appl
c 140	42.8	3.2	1736	3	US-09-182-816-22	Sequence 22, Appl	213	41.6	3.1	147	4	US-09-621-976-10254	Sequence 10254, A
c 141	42.8	3.2	1736	3	US-09-182-816-22	Sequence 22, Appl	214	41.6	3.1	240	1	US-08-628-417-6	Sequence 6, Appl
c 142	42.8	3.2	1736	3	US-09-471-528-22	Sequence 22, Appl	215	41.6	3.1	684	1	US-08-226-264-27	Sequence 27, Appl
c 143	42.8	3.2	1736	3	US-09-471-528-22	Sequence 22, Appl	216	41.6	3.1	769	4	US-09-513-775B-5	Sequence 5, Appl
c 144	42.8	3.2	1736	3	US-09-634-530-22	Sequence 22, Appl	217	41.6	3.1	831	4	US-09-904-615-25	Sequence 25, Appl
c 145	42.8	3.2	1736	3	US-09-634-530-24	Sequence 24, Appl	218	41.6	3.1	1052	4	US-09-489-847-21	Sequence 23, Appl
c 146	42.6	3.2	249	4	US-09-621-976-19144	Sequence 19144, A	219	41.6	3.1	1114	3	US-09-152-060-41	Sequence 41, Appl
c 147	42.6	3.2	351	4	US-09-621-976-15134	Sequence 15134, A	220	41.6	3.1	1443	4	US-09-904-615-21	Sequence 21, Appl
c 148	42.6	3.2	577	3	US-09-149-476-313	Sequence 313, App	221	41.6	3.1	1700	2	US-08-897-340-4	Sequence 4, Appl
c 149	42.6	3.2	1037	4	US-09-489-847-112	Sequence 112, App	222	41.6	3.1	1700	3	US-09-252-329-4	Sequence 4, Appl
c 150	42.6	3.2	2369	4	US-09-057-996-13	Sequence 13, Appl	223	41.6	3.1	2186	3	US-09-360-545-66	Sequence 66, Appl
c 151	42.6	3.2	4765	3	US-08-936-135-21	Sequence 21, Appl	224	41.6	3.1	2625	4	US-09-270-767-10080	Sequence 10080, A
c 152	42.6	3.2	4765	4	US-09-439-711C-21	Sequence 21, Appl	225	41.6	3.1	3138	1	US-07-867-106-4	Sequence 4, Appl
c 153	42.6	3.2	4780	3	US-08-936-135-23	Sequence 23, Appl	226	41.4	3.1	193	4	US-09-621-976-10543	Sequence 10543, A
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c 155	42.6	3.2	10660	2	US-08-267-803B-8	Sequence 8, Appl	228	41.4	3.1	270	3	US-08-897-126-30	Sequence 30, Appl
c 156	42.6	3.2	130724	4	US-09-041-886-16	Sequence 16, Appl	229	41.4	3.1	386	4	US-09-829-481-5	Sequence 5, Appl
c 157	42.6	3.2	168	1	US-09-949-016-13753	Sequence 13753, A	230	41.4	3.1	612	4	US-09-902-540-1357	Sequence 1357, Ap
c 158	42.4	3.2	168	2	US-08-469-802B-4	Sequence 4, Appl	231	41.4	3.1	748	1	US-08-361-467B-3	Sequence 3, Appl
c 159	42.4	3.2	168	2	US-08-267-803B-4	Sequence 4, Appl	232	41.4	3.1	748	1	US-08-484-332C-3	Sequence 3, Appl
c 160	42.4	3.2	171	1	US-08-469-802B-5	Sequence 5, Appl	233	41.4	3.1	905	4	US-09-640-211A-1944	Sequence 1944, Ap
c 161	42.4	3.2	171	2	US-08-267-803B-5	Sequence 5, Appl	234	41.4	3.1	1201	4	US-09-461-325-36	Sequence 36, Appl
c 162	42.4	3.2	195	1	US-08-469-802B-2	Sequence 2, Appl	235	41.4	3.1	1201	4	US-10-012-542-36	Sequence 36, Appl
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c 164	42.4	3.2	234	1	US-08-469-802B-3	Sequence 3, Appl	237	41.4	3.1	1636	4	US-09-578-194-6	Sequence 6, Appl
c 165	42.4	3.2	234	2	US-08-267-803B-3	Sequence 3, Appl	238	41.4	3.1	2301	1	US-08-306-691B-23	Sequence 23, Appl
c 166	42.4	3.2	234	4	US-09-621-976-10380	Sequence 10380, A	239	41.4	3.1	2301	4	US-09-167-206-3	Sequence 3, Appl
c 167	42.4	3.2	1897	1	US-08-184-632-1	Sequence 1, Appl	240	41.4	3.1	2301	5	PCT-US93-06251-78	Sequence 78, Appl
c 168	42.2	3.2	253	2	US-08-520-678A-25	Sequence 25, Appl	241	41.4	3.1	2381	4	US-09-482-273-97	Sequence 97, Appl
c 169	42.2	3.2	253	3	US-08-971-126-25	Sequence 126, Appl	242	41.4	3.1	2822	4	US-09-907-794A-48	Sequence 48, Appl
c 170	42.2	3.2	427	4	US-09-461-325-107	Sequence 107, App	243	41.4	3.1	2822	4	US-09-905-125A-48	Sequence 48, Appl
c 171	42.2	3.2	427	4	US-10-012-542-107	Sequence 107, App	244	41.4	3.1	2822	4	US-09-902-775A-48	Sequence 48, Appl
c 172	42.2	3.2	427	4	US-10-115-123-107	Sequence 107, App	245	41.4	3.1	2822	4	US-09-906-700-48	Sequence 48, Appl
c 173	42.2	3.2	1091	4	US-09-328-965-1	Sequence 1, Appl	246	41.4	3.1	2822	4	US-09-903-603A-48	Sequence 48, Appl

247	41.4	3.1	2822	4	US-09-904-920A-48	Sequence 48, Appl	320	40.8	3.1	3299	4	US-09-900-729-68	Sequence 68, Appl
248	41.4	3.1	2822	4	US-09-909-064-48	Sequence 48, Appl	C 321	40.8	3.1	194937	4	US-09-949-016-17032	Sequence 17032, A
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250	41.4	3.1	2822	4	US-09-906-618-48	Sequence 48, Appl	323	40.6	3.0	123	4	US-09-621-976-12330	Sequence 12330, A
251	41.4	3.1	3581	2	US-08-738-349-1	Sequence 1, Appl	324	40.6	3.0	348	4	US-09-621-976-16137	Sequence 16137, A
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253	41.2	3.1	147	4	US-09-621-976-8551	Sequence 8551, Ap	326	40.6	3.0	568	1	US-08-582-257-20	Sequence 20, Appl
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261	41.2	3.1	1357	4	US-10-115-123-55	Sequence 55, Appl	334	40.6	3.0	1230	4	US-09-244-805-6	Sequence 6, Appl
262	41.2	3.1	1395	4	US-09-924-703-5	Sequence 5, Appl	335	40.6	3.0	1378	3	US-09-149-476-208	Sequence 208, App
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C 267	41	3.1	203	3	US-09-043-303-7	Sequence 7, Appl	340	40.6	3.0	1771	4	US-09-866-028-36	Sequence 36, Appl
268	41	3.1	578	3	US-09-602-877A-95	Sequence 95, Appl	341	40.6	3.0	1771	4	US-09-905-125A-158	Sequence 158, App
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C 280	40.8	3.1	154	2	US-08-267-803B-6	Sequence 6, Appl	353	40.6	3.0	3960	4	US-09-949-016-826	Sequence 826, App
281	40.8	3.1	371	4	US-09-621-976-19223	Sequence 19223, A	354	40.6	3.0	5021	4	US-09-949-016-786	Sequence 786, App
C 282	40.8	3.1	470	3	US-09-020-956-102	Sequence 102, App	C 355	40.6	3.0	24984	4	US-09-949-016-14950	Sequence 14950, A
C 283	40.8	3.1	470	3	US-09-030-607-102	Sequence 102, App	C 356	40.6	3.0	139552	4	US-09-949-016-15300	Sequence 15300, A
C 284	40.8	3.1	470	3	US-09-439-313-102	Sequence 102, App	357	40.4	3.0	177	4	US-09-621-976-1047	Sequence 1047, App
C 285	40.8	3.1	470	3	US-09-352-616A-102	Sequence 102, App	358	40.4	3.0	194	4	US-09-621-976-801	Sequence 801, App
C 286	40.8	3.1	470	3	US-09-232-149A-102	Sequence 102, App	359	40.4	3.0	239	4	US-09-621-976-16226	Sequence 16226, A
C 287	40.8	3.1	470	4	US-09-159-812-102	Sequence 102, App	360	40.4	3.0	318	4	US-09-621-976-10247	Sequence 10247, A
C 288	40.8	3.1	470	4	US-09-636-215-102	Sequence 102, App	361	40.4	3.0	572	4	US-09-696-169A-12	Sequence 12, Appl
C 289	40.8	3.1	470	4	US-09-685-166A-102	Sequence 102, App	362	40.4	3.0	700	3	US-09-152-060-26	Sequence 26, Appl
C 290	40.8	3.1	470	4	US-09-115-453-102	Sequence 102, App	363	40.4	3.0	812	3	US-09-091-097-7	Sequence 7, Appl
C 291	40.8	3.1	470	4	US-09-688-489-102	Sequence 102, App	364	40.4	3.0	1505	2	US-08-909-965C-13	Sequence 13, Appl
C 292	40.8	3.1	470	4	US-09-679-426-102	Sequence 102, App	365	40.4	3.0	1530	4	US-09-811-361-19	Sequence 19, Appl
C 293	40.8	3.1	470	4	US-09-759-143-102	Sequence 102, App	366	40.4	3.0	1641	1	US-08-300-903A-8	Sequence 8, Appl
C 294	40.8	3.1	470	4	US-09-651-236-102	Sequence 102, App	367	40.4	3.0	1641	4	US-08-988-197-8	Sequence 8, Appl
C 295	40.8	3.1	509	3	US-09-030-607-202	Sequence 202, App	368	40.4	3.0	1641	4	US-10-385-072-8	Sequence 8, Appl
C 296	40.8	3.1	509	3	US-09-439-313-202	Sequence 202, App	369	40.4	3.0	1740	4	US-09-709-103-45	Sequence 45, Appl
C 297	40.8	3.1	509	3	US-09-352-616A-202	Sequence 202, App	370	40.4	3.0	1740	4	US-09-439-410A-45	Sequence 45, Appl
C 298	40.8	3.1	509	3	US-09-232-149A-202	Sequence 202, App	371	40.4	3.0	1801	4	US-09-709-103-3	Sequence 3, Appl
C 299	40.8	3.1	509	4	US-09-159-812-202	Sequence 202, App	372	40.4	3.0	1801	4	US-09-439-410A-3	Sequence 3, Appl
C 300	40.8	3.1	509	4	US-09-636-215-202	Sequence 202, App	373	40.4	3.0	1839	4	US-09-461-325-23	Sequence 23, Appl
C 301	40.8	3.1	509	4	US-09-685-166A-202	Sequence 202, App	374	40.4	3.0	1839	4	US-10-012-542-23	Sequence 23, Appl
C 302	40.8	3.1	509	4	US-09-115-453-202	Sequence 202, App	375	40.4	3.0	1839	4	US-10-115-123-23	Sequence 23, Appl
C 303	40.8	3.1	509	4	US-09-688-489-202	Sequence 202, App	376	40.4	3.0	1895	3	US-09-444-336-7	Sequence 7, Appl
C 304	40.8	3.1	509	4	US-09-679-426-202	Sequence 202, App	377	40.4	3.0	2481	2	US-08-630-118A-1	Sequence 1, Appl
C 305	40.8	3.1	509	4	US-09-759-143-202	Sequence 202, App	378	40.4	3.0	2481	2	US-08-838-399-1	Sequence 1, Appl
C 306	40.8	3.1	509	4	US-09-651-236-202	Sequence 202, App	379	40.4	3.0	2481	3	US-09-235-839-1	Sequence 1, Appl
C 307	40.8	3.1	949	4	US-09-489-847-35	Sequence 35, Appl	380	40.4	3.0	2481	3	US-09-327-035-1	Sequence 1, Appl
C 308	40.8	3.1	1049	4	US-09-800-729-67	Sequence 67, Appl	381	40.4	3.0	2604	2	US-08-630-118A-3	Sequence 3, Appl
C 309	40.8	3.1	1181	3	US-09-149-476-310	Sequence 310, Appl	382	40.4	3.0	2604	2	US-08-838-399-3	Sequence 3, Appl
C 310	40.8	3.1	1212	3	US-09-149-476-186	Sequence 186, App	383	40.4	3.0	2604	3	US-09-235-839-3	Sequence 3, Appl
C 311	40.8	3.1	1243	4	US-09-731-924A-1	Sequence 1, Appl	384	40.4	3.0	2604	3	US-09-327-035-3	Sequence 3, Appl
C 312	40.8	3.1	1244	4	US-08-916-442-1	Sequence 1, Appl	C 385	40.4	3.0	50217	4	US-09-949-016-16067	Sequence 16067, A
C 313	40.8	3.1	1244	4	US-09-317-641-1	Sequence 1, Appl	386	40.4	3.0	136264	4	US-09-949-016-12756	Sequence 12756, A
C 314	40.8	3.1	1315	3	US-09-721-822A-10	Sequence 10, Appl	387	40.4	3.0	136265	4	US-09-949-016-13001	Sequence 13001, A
C 315	40.8	3.1	1384	3	US-09-227-357-142	Sequence 142, App	388	40.4	3.0	283538	4	US-09-949-016-13506	Sequence 13506, A
C 316	40.8	3.1	1776	3	US-08-655-352-10	Sequence 10, Appl	389	40.2	3.0	244	4	US-09-621-976-484	Sequence 484, App
C 317	40.8	3.1	1776	3	US-09-258-016-10	Sequence 10, Appl	390	40.2	3.0	530	4	US-09-461-325-28	Sequence 28, Appl
C 318	40.8	3.1	1776	3	US-09-257-825B-10	Sequence 10, Appl	391	40.2	3.0	530	4	US-10-012-542-28	Sequence 28, Appl
C 319	40.8	3.1	1776	4	US-09-148-545-128	Sequence 128, App	392	40.2	3.0	530	4	US-10-115-123-28	Sequence 28, Appl

393	40.2	3.0	688	6	5498694-3	Patent No. 5498694	466	39.8	3.0	208	1	US-08-686-878A-37	Sequence 37, Appl
394	40.2	3.0	688	6	5498694-3	Patent No. 5498694	467	39.8	3.0	208	3	US-09-175-928-37	Sequence 37, Appl
395	40.2	3.0	780	3	US-08-540-804-36	Sequence 36, Appl	468	39.8	3.0	250	4	US-09-621-976-17371	Sequence 17371, A
396	40.2	3.0	780	3	US-08-590-399-36	Sequence 36, Appl	469	39.8	3.0	328	4	US-09-621-976-16143	Sequence 16143, A
397	40.2	3.0	903	5	PCT-US95-06406A-21	Sequence 21, Appl	C 470	39.8	3.0	356	3	US-08-520-678A-22	Sequence 22, Appl
398	40.2	3.0	1039	4	US-09-902-540-1280	Sequence 1280, Ap	C 471	39.8	3.0	356	3	US-08-897-126-22	Sequence 22, Appl
399	40.2	3.0	1039	4	US-09-489-847-38	Sequence 38, Appl	472	39.8	3.0	505	4	US-09-621-976-15639	Sequence 15639, A
400	40.2	3.0	1144	4	US-09-904-615-20	Sequence 20, Appl	473	39.8	3.0	556	3	US-09-370-838-242	Sequence 242, App
401	40.2	3.0	1325	1	US-08-306-691B-51	Sequence 51, Appl	474	39.8	3.0	556	4	US-09-854-133-242	Sequence 242, App
402	40.2	3.0	1325	2	US-08-464-517-1	Sequence 1, Appl	475	39.8	3.0	635	1	US-08-455-633A-35	Sequence 35, Appl
403	40.2	3.0	1325	2	US-08-246-361A-1	Sequence 1, Appl	476	39.8	3.0	635	1	US-08-416-336-5	Sequence 5, Appl
404	40.2	3.0	1325	3	US-08-463-772-1	Sequence 1, Appl	477	39.8	3.0	635	2	US-08-456-460C-35	Sequence 35, Appl
405	40.2	3.0	1325	5	PCT-US93-05000-1	Sequence 64, Appl	478	39.8	3.0	635	5	PCT-US94-05354-35	Sequence 106, App
406	40.2	3.0	1361	4	US-09-489-847-64	Sequence 81, Appl	479	39.8	3.0	687	4	US-09-774-639-106	Sequence 9, Appl
407	40.2	3.0	1406	4	US-10-000-489-81	Sequence 197, App	480	39.8	3.0	882	2	US-08-909-965C-9	Sequence 6, Appl
408	40.2	3.0	1412	4	US-09-614-912-197	Sequence 1, Appl	481	39.8	3.0	975	3	US-09-381-488-6	Sequence 13, Appl
409	40.2	3.0	1445	3	US-09-814-951A-1	Sequence 1, Appl	482	39.8	3.0	1139	4	US-09-690-454-13	Patent No. 5169941
410	40.2	3.0	1422	4	US-09-369-247-23	Sequence 23, Appl	483	39.8	3.0	1215	6	5169941-7	Patent No. 5169941
411	40.2	3.0	2239	3	US-09-396-390-1	Sequence 1, Appl	484	39.8	3.0	1215	6	5169941-7	Patent No. 5169941
412	40.2	3.0	2239	4	US-09-952-677-1	Sequence 1, Appl	485	39.8	3.0	1225	1	US-08-286-020-1	Sequence 1, Appl
413	40.2	3.0	2246	3	US-09-363-708-3	Sequence 3, Appl	486	39.8	3.0	1225	1	US-08-603-919-1	Sequence 1, Appl
414	40.2	3.0	2246	4	US-09-083-587-3	Sequence 3, Appl	487	39.8	3.0	1414	4	US-09-501-115-5	Sequence 5, Appl
415	40.2	3.0	2311	4	US-09-800-729-66	Sequence 66, Appl	488	39.8	3.0	1461	3	US-08-722-126A-4	Sequence 4, Appl
416	40.2	3.0	2394	4	US-09-800-729-33	Sequence 33, Appl	489	39.8	3.0	1461	5	PCT-US95-04258-4	Sequence 4, Appl
417	40.2	3.0	2434	4	US-09-489-847-67	Sequence 67, Appl	490	39.8	3.0	2000	1	US-08-351-473B-1	Sequence 1, Appl
418	40.2	3.0	2438	4	US-09-393-634-4	Sequence 4, Appl	491	39.8	3.0	2187	3	US-09-127-219B-2	Sequence 2, Appl
419	40.2	3.0	2447	2	US-09-014-969-14	Sequence 14, Appl	492	39.8	3.0	2327	4	US-10-066-130-20	Sequence 20, Appl
420	40.2	3.0	4055	4	US-09-620-312D-706	Sequence 706, App	493	39.8	3.0	2674	4	US-10-066-130-19	Sequence 19, Appl
421	40	3.0	110	4	US-09-621-976-12025	Sequence 12025, A	494	39.8	3.0	2771	4	US-10-066-130-18	Sequence 18, Appl
422	40	3.0	194	4	US-09-621-976-9596	Sequence 9596, A	495	39.8	3.0	3116	4	US-09-311-021-187	Sequence 187, App
423	40	3.0	208	4	US-09-621-976-9283	Sequence 9283, A	496	39.8	3.0	3410	3	US-09-020-956-110	Sequence 110, App
424	40	3.0	282	4	US-09-621-976-9283	Sequence 9283, A	497	39.8	3.0	3410	3	US-09-030-607-110	Sequence 110, App
425	40	3.0	530	4	US-09-621-976-18648	Sequence 18648, A	498	39.8	3.0	3410	3	US-09-439-313-110	Sequence 110, App
426	40	3.0	593	4	US-09-904-615-59	Sequence 62, Appl	499	39.8	3.0	3410	3	US-09-352-616A-110	Sequence 110, App
427	40	3.0	603	3	US-09-385-982-293	Sequence 59, Appl	500	39.8	3.0	3410	3	US-09-602-877A-100	Sequence 100, App
428	40	3.0	647	4	US-09-495-050A-54	Sequence 293, App	501	39.8	3.0	3410	4	US-09-232-149A-110	Sequence 110, App
429	40	3.0	796	1	US-08-104-073-2	Sequence 2, Appl	502	39.8	3.0	3410	4	US-09-159-812-110	Sequence 110, App
430	40	3.0	844	4	US-08-680-942-3	Sequence 3, Appl	503	39.8	3.0	3410	4	US-09-636-215-110	Sequence 110, App
431	40	3.0	931	4	US-09-482-273-31	Sequence 31, Appl	504	39.8	3.0	3410	4	US-09-685-166A-110	Sequence 110, App
432	40	3.0	1279	3	US-09-248-335-25	Sequence 25, Appl	505	39.8	3.0	3410	4	US-09-115-453-110	Sequence 110, App
433	40	3.0	1405	4	US-09-668-097A-15	Sequence 15, Appl	506	39.8	3.0	3410	4	US-09-688-489-110	Sequence 110, App
434	40	3.0	1454	3	US-09-372-422A-19	Sequence 19, Appl	507	39.8	3.0	3410	4	US-09-679-426-110	Sequence 110, App
435	40	3.0	1584	4	US-09-807-258-11	Sequence 11, Appl	508	39.8	3.0	3410	4	US-09-759-143-110	Sequence 110, App
436	40	3.0	1606	4	US-09-820-004-1	Sequence 1, Appl	509	39.8	3.0	3410	4	US-09-651-236-110	Sequence 110, App
437	40	3.0	1842	4	US-09-482-273-90	Sequence 90, Appl	510	39.8	3.0	5860	4	US-10-066-130-17	Sequence 17, Appl
438	40	3.0	1965	4	US-09-482-273-91	Sequence 91, Appl	C 511	39.8	3.0	8638	4	US-10-029-907-6	Sequence 6, Appl
439	40	3.0	1965	4	US-09-482-273-27	Sequence 27, Appl	C 512	39.8	3.0	8648	4	US-10-029-907-5	Sequence 5, Appl
440	40	3.0	2179	3	US-09-854-133-152	Sequence 152, App	C 513	39.8	3.0	8648	4	US-08-811-566-1	Sequence 1, Appl
441	40	3.0	2179	3	US-09-854-133-152	Sequence 37, Appl	C 514	39.8	3.0	9646	3	US-09-034-756-1	Sequence 1, Appl
442	40	3.0	2406	4	US-09-594-506-37	Sequence 16, Appl	C 515	39.8	3.0	9646	3	US-08-811-566-5	Sequence 5, Appl
443	40	3.0	2608	4	US-09-904-615-16	Sequence 1, Appl	C 516	39.8	3.0	12980	3	US-09-034-756-5	Sequence 5, Appl
444	40	3.0	2719	3	US-08-708-216-1	Sequence 1, Appl	C 517	39.8	3.0	12980	3	US-09-621-976-1325	Sequence 1325, Ap
445	40	3.0	3145	4	US-09-949-016-1149	Sequence 1149, Ap	518	39.6	3.0	212	4	US-09-621-976-1325	Sequence 1325, Ap
446	40	3.0	3238	3	US-08-123-934A-5	Sequence 5, Appl	519	39.6	3.0	337	2	US-09-621-976-1325	Sequence 11, Appl
447	40	3.0	3238	5	PCT-US94-10080-5	Sequence 5, Appl	520	39.6	3.0	337	2	US-09-621-976-1325	Sequence 11, Appl
448	40	3.0	3271	4	US-09-548-797B-1	Sequence 1, Appl	521	39.6	3.0	771	4	US-09-621-976-1325	Sequence 11, Appl
449	40	3.0	3271	4	US-09-548-797B-1	Sequence 1, Appl	522	39.6	3.0	831	4	US-09-621-976-1325	Sequence 11, Appl
450	40	3.0	3275	3	US-09-370-838-151	Sequence 151, App	523	39.6	3.0	831	4	US-09-621-976-1325	Sequence 11, Appl
451	40	3.0	3275	4	US-09-854-133-151	Sequence 2, Appl	524	39.6	3.0	1147	1	US-08-665-716-1	Sequence 75, Appl
452	40	3.0	3390	4	US-09-548-797B-2	Sequence 2, Appl	525	39.6	3.0	1486	4	US-09-461-325-73	Sequence 73, Appl
453	40	3.0	3527	2	US-08-909-965C-7	Sequence 7, Appl	526	39.6	3.0	1486	4	US-10-012-542-73	Sequence 73, Appl
454	40	3.0	3582	4	US-09-548-797B-3	Sequence 3, Appl	527	39.6	3.0	1486	4	US-10-115-123-73	Sequence 73, Appl
455	40	3.0	4137	3	US-09-499-964-2	Sequence 2, Appl	528	39.6	3.0	1522	3	US-09-413-574-1	Sequence 1, Appl
456	40	3.0	4185	4	US-09-417-485D-7	Sequence 7, Appl	529	39.6	3.0	1761	4	US-09-369-247-21	Sequence 21, Appl
457	40	3.0	6409	4	US-09-967-908A-1	Sequence 1, Appl	530	39.6	3.0	1813	3	US-09-071-224-3	Sequence 3, Appl
458	40	3.0	6409	4	US-10-159-151-1	Sequence 1, Appl	531	39.6	3.0	1872	3	US-09-291-922-27	Sequence 27, Appl
459	40	3.0	6409	4	US-09-702-705-102	Sequence 102, App	532	39.6	3.0	2202	3	US-09-465-558-59	Sequence 59, Appl
460	39.8	3.0	199	4	US-09-736-457-102	Sequence 102, App	533	39.6	3.0	2360	3	US-08-836-567-9	Sequence 9, Appl
461	39.8	3.0	199	4	US-09-614-1248-102	Sequence 102, App	534	39.6	3.0	2360	4	US-09-606-304-9	Sequence 9, Appl
462	39.8	3.0	199	4	US-09-671-325-102	Sequence 102, App	535	39.6	3.0	2360	4	US-09-702-705-1801	Sequence 1801, Ap
463	39.8	3.0	199	4	US-09-589-184-102	Sequence 102, App	536	39.6	3.0	4086	4	US-09-736-457-1801	Sequence 1801, Ap
464	39.8	3.0	199	4	US-09-658-824-102	Sequence 102, App	537	39.6	3.0	4086	4	US-09-671-325-1801	Sequence 1801, Ap
465	39.8	3.0	199	4	US-09-658-824-102	Sequence 102, App	538	39.6	3.0	4895	3	US-09-053-866-1	Sequence 1, Appl
										4895	3	US-09-479-130-1	Sequence 1, Appl

539	39.6	3.0	4895	4	US-09-472-130A-1	Sequence 1, Appli	612	39.4	3.0	10640	4	US-09-417-485D-5	Sequence 5, Appli
540	39.6	3.0	19455	4	US-09-902-540-1147	Sequence 11877, Ap	613	39.4	3.0	37068	4	US-09-949-016-12543	Sequence 12543, A
541	39.4	3.0	69	4	US-09-621-976-11887	Sequence 11887, A	614	39.4	3.0	37068	4	US-09-949-016-17376	Sequence 17376, A
542	39.4	3.0	69	4	US-09-621-976-12454	Sequence 12454, A	c 615	39.4	3.0	37711	4	US-09-949-016-12832	Sequence 12832, A
543	39.4	3.0	70	4	US-09-621-976-12440	Sequence 12440, A	c 616	39.4	3.0	37712	4	US-09-949-016-16704	Sequence 16704, A
544	39.4	3.0	72	4	US-09-621-976-12390	Sequence 12390, A	617	39.4	3.0	41736	4	US-09-949-016-17091	Sequence 17091, A
545	39.4	3.0	77	4	US-09-621-976-12266	Sequence 12266, A	618	39.4	3.0	164	4	US-09-621-976-16692	Sequence 16692, A
546	39.4	3.0	81	4	US-09-621-976-12198	Sequence 12198, A	619	39.2	2.9	165	4	US-09-621-976-15127	Sequence 15127, A
547	39.4	3.0	81	4	US-09-621-976-13601	Sequence 13601, A	620	39.2	2.9	240	4	US-09-621-976-1324	Sequence 1324, Ap
548	39.4	3.0	82	4	US-09-621-976-11689	Sequence 11689, A	621	39.2	2.9	249	4	US-09-621-976-1322	Sequence 1322, Ap
549	39.4	3.0	82	4	US-09-621-976-11841	Sequence 11841, A	622	39.2	2.9	319	1	US-07-593-657-14	Sequence 14, Appl
550	39.4	3.0	82	4	US-09-621-976-11864	Sequence 11864, A	623	39.2	2.9	373	4	US-09-621-976-17213	Sequence 17213, A
551	39.4	3.0	82	4	US-09-621-976-11888	Sequence 11888, A	624	39.2	2.9	554	4	US-08-596-169A-14	Sequence 14, Appl
552	39.4	3.0	82	4	US-09-621-976-11944	Sequence 11944, A	625	39.2	2.9	585	4	US-09-589-733C-6	Sequence 6, Appli
553	39.4	3.0	82	4	US-09-621-976-11949	Sequence 11949, A	c 626	39.2	2.9	599	3	US-09-328-111-147	Sequence 117, App
554	39.4	3.0	82	4	US-09-621-976-12015	Sequence 12015, A	627	39.2	2.9	1036	4	US-09-205-258-86	Sequence 86, Appl
555	39.4	3.0	82	4	US-09-621-976-12088	Sequence 12088, A	628	39.2	2.9	1049	4	US-09-311-021-49	Sequence 49, Appl
556	39.4	3.0	82	4	US-09-621-976-12103	Sequence 12103, A	629	39.2	2.9	1092	3	US-09-227-357-35	Sequence 35, Appl
557	39.4	3.0	82	4	US-09-621-976-12127	Sequence 12127, A	630	39.2	2.9	1151	4	US-09-270-767-12633	Sequence 12633, A
558	39.4	3.0	82	4	US-09-621-976-12131	Sequence 12131, A	631	39.2	2.9	1241	1	US-07-593-657-6	Sequence 6, Appli
559	39.4	3.0	82	4	US-09-621-976-12137	Sequence 12137, A	632	39.2	2.9	1241	3	US-08-942-012B-3	Sequence 3, Appli
560	39.4	3.0	82	4	US-09-621-976-12332	Sequence 12332, A	633	39.2	2.9	1359	3	US-09-387-574-11	Sequence 11, Appl
561	39.4	3.0	82	4	US-09-621-976-13499	Sequence 13499, A	634	39.2	2.9	1359	3	US-09-668-096-11	Sequence 11, Appl
562	39.4	3.0	82	4	US-09-621-976-13526	Sequence 13526, A	635	39.2	2.9	1458	4	US-09-482-273-14	Sequence 14, Appl
563	39.4	3.0	83	4	US-09-621-976-12087	Sequence 12087, A	636	39.2	2.9	1810	4	US-09-800-729-73	Sequence 73, Appl
564	39.4	3.0	83	4	US-09-621-976-12175	Sequence 12175, A	637	39.2	2.9	1811	4	US-09-800-729-77	Sequence 77, Appl
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566	39.4	3.0	83	4	US-09-621-976-12429	Sequence 12429, A	639	39.2	2.9	2075	4	US-10-012-542-130	Sequence 130, App
567	39.4	3.0	83	4	US-09-621-976-12450	Sequence 12450, A	640	39.2	2.9	2075	4	US-10-115-123-130	Sequence 130, App
568	39.4	3.0	84	4	US-09-621-976-11710	Sequence 11710, A	641	39.2	2.9	2296	3	US-08-496-841C-137	Sequence 137, App
569	39.4	3.0	91	4	US-09-621-976-12161	Sequence 12161, A	642	39.2	2.9	2301	3	US-09-232-191-8	Sequence 8, Appli
570	39.4	3.0	98	4	US-09-621-976-11744	Sequence 11744, A	643	39.2	2.9	2301	3	US-09-232-200-8	Sequence 8, Appli
571	39.4	3.0	106	4	US-09-621-976-12079	Sequence 12079, A	644	39.2	2.9	2301	3	US-09-232-197-8	Sequence 8, Appli
c 572	39.4	3.0	396	4	US-09-640-173-16	Sequence 16, Appl	645	39.2	2.9	2301	3	US-09-232-201-8	Sequence 8, Appli
c 573	39.4	3.0	396	4	US-09-713-550-16	Sequence 16, Appl	646	39.2	2.9	2301	4	US-09-232-195-8	Sequence 8, Appli
c 574	39.4	3.0	396	4	US-09-825-394-16	Sequence 16, Appl	647	39.2	2.9	2409	3	US-09-232-222C-8	Sequence 8, Appli
c 575	39.4	3.0	396	4	US-09-970-566-16	Sequence 16, Appl	648	39.2	2.9	2409	4	US-09-839-497A-8	Sequence 8, Appli
576	39.4	3.0	708	4	US-09-270-767-13081	Sequence 13081, A	649	39.2	2.9	2710	3	US-09-232-200-44	Sequence 44, Appl
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578	39.4	3.0	857	1	US-08-730-163-1	Sequence 1, Appli	651	39.2	2.9	2710	3	US-09-232-197-44	Sequence 44, Appl
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586	39.4	3.0	1193	3	US-09-372-422A-23	Sequence 23, Appl	659	39.2	2.9	3771	1	US-08-185-432-23	Sequence 23, Appl
587	39.4	3.0	1210	4	US-09-720-318A-3	Sequence 3, Appli	660	39.2	2.9	3975	4	US-09-270-767-3	Sequence 3, Appli
588	39.4	3.0	1332	4	US-09-252-991A-2529	Sequence 2529, Ap	c 661	39.2	2.9	5063	1	US-08-185-432-1	Sequence 1, Appli
589	39.4	3.0	1440	4	US-09-252-991A-2305	Sequence 2305, Ap	662	39.2	2.9	5555	1	US-08-484-438-3	Sequence 3, Appli
590	39.4	3.0	1443	4	US-09-252-991A-2390	Sequence 2390, Ap	c 663	39.2	2.9	64309	4	US-09-949-016-14581	Sequence 14581, A
591	39.4	3.0	1559	4	US-09-489-847-42	Sequence 42, Appl	664	39	2.9	82	4	US-09-621-976-12368	Sequence 12368, A
592	39.4	3.0	1821	3	US-09-149-476-90	Sequence 90, Appl	665	39	2.9	120	1	US-08-153-051B-28	Sequence 28, Appl
593	39.4	3.0	1856	4	US-09-644-460-32	Sequence 32, Appl	666	39	2.9	120	1	US-08-060-952C-44	Sequence 44, Appl
594	39.4	3.0	1950	4	US-09-640-419C-1	Sequence 1, Appli	667	39	2.9	120	2	US-08-151-477A-28	Sequence 28, Appl
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596	39.4	3.0	2205	3	US-08-888-077A-41	Sequence 41, Appl	669	39	2.9	120	3	US-08-464-011B-44	Sequence 44, Appl
597	39.4	3.0	2469	4	US-09-849-334-1	Sequence 1, Appli	670	39	2.9	120	4	US-09-378-535-58	Sequence 58, Appl
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601	39.4	3.0	2603	4	US-09-949-016-966	Sequence 966, App	674	39	2.9	374	2	US-08-370-156-24	Sequence 24, Appl
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604	39.4	3.0	3080	3	US-09-245-281-25	Sequence 25, Appl	c 677	39	2.9	703	3	US-09-313-300-6	Sequence 6, Appli
605	39.4	3.0	3080	3	US-09-207-359B-25	Sequence 25, Appl	678	39	2.9	731	1	US-08-451-405A-2	Sequence 2, Appli
606	39.4	3.0	3080	4	US-09-340-620A-25	Sequence 25, Appl	679	39	2.9	880	3	US-09-247-373B-39	Sequence 39, Appl
607	39.4	3.0	3080	4	US-09-865-364-25	Sequence 25, Appl	680	39	2.9	1215	2	US-08-370-156-26	Sequence 26, Appl
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609	39.4	3.0	5334	4	US-10-164-595-21	Sequence 21, Appl	682	39	2.9	1584	3	US-08-745-995A-1	Sequence 1, Appli
610	39.4	3.0	5581	4	US-10-164-595-19	Sequence 19, Appl	c 683	39	2.9	1584	3	US-08-745-995A-3	Sequence 3, Appli
611	39.4	3.0	5893	2	US-08-687-080-44	Sequence 44, Appl	684	39	2.9	1584	4	US-09-005-352-1	Sequence 1, Appli

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C 685	39	2.9	1584	4	US-09-005-352-3	Sequence 3, Appli	758	38.8	2.9	2040	4	US-09-685-166A-375	Sequence 375, App
C 686	39	2.9	1733	3	US-09-073-569-1	Sequence 1, Appli	759	38.8	2.9	2040	4	US-09-429-755-303	Sequence 303, App
C 687	39	2.9	1872	4	US-09-801-052-1	Sequence 1, Appli	760	38.8	2.9	2040	4	US-09-679-426-375	Sequence 375, App
C 688	39	2.9	1872	4	US-10-020-121-1	Sequence 1, Appli	761	38.8	2.9	2040	4	US-09-759-143-375	Sequence 375, App
C 689	39	2.9	1927	3	US-09-336-536-66	Sequence 66, Appli	762	38.8	2.9	2040	4	US-09-651-236-375	Sequence 303, App
C 690	39	2.9	1964	1	US-08-132-168A-31	Sequence 31, Appli	763	38.8	2.9	2040	4	US-09-699-235-303	Sequence 303, App
C 691	39	2.9	2065	3	US-08-370-473-5	Sequence 5, Appli	764	38.8	2.9	2044	4	US-09-949-016-646	Sequence 646, App
C 692	39	2.9	2146	4	US-10-003-392-3	Sequence 3, Appli	765	38.8	2.9	3375	3	US-09-511-625B-67	Sequence 67, Appli
C 693	39	2.9	2256	2	US-08-318-826A-5	Sequence 5, Appli	766	38.8	2.9	3605	4	US-09-949-016-36	Sequence 36, Appli
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C 695	39	2.9	2319	4	US-09-805-455-1	Sequence 1, Appli	768	38.8	2.9	12449	4	US-09-949-016-15755	Sequence 14003, A
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C 697	39	2.9	2648	3	US-09-348-942-6	Sequence 6, Appli	770	38.6	2.9	140	4	US-09-621-976-16834	Sequence 16834, A
C 698	39	2.9	2648	3	US-09-457-626-6	Sequence 6, Appli	771	38.6	2.9	141	4	US-09-621-976-16834	Sequence 16834, A
C 699	39	2.9	2648	3	US-09-457-626-6	Sequence 6, Appli	772	38.6	2.9	299	4	US-09-621-976-16135	Sequence 16135, A
C 700	39	2.9	2648	4	US-09-576-008-6	Sequence 6, Appli	773	38.6	2.9	341	4	US-09-621-976-16135	Sequence 16135, A
C 701	39	2.9	2655	3	US-08-971-089-5	Sequence 5, Appli	774	38.6	2.9	505	4	US-08-469-802B-7	Sequence 7, Appli
C 702	39	2.9	2677	4	US-09-733-643B-1	Sequence 1, Appli	775	38.6	2.9	506	1	US-08-469-802B-7	Sequence 7, Appli
C 703	39	2.9	3016	2	US-08-318-826A-7	Sequence 7, Appli	776	38.6	2.9	506	2	US-08-267-803B-7	Sequence 13552, A
C 704	39	2.9	3016	2	US-08-370-156-5	Sequence 5, Appli	777	38.6	2.9	1045	4	US-09-270-767-12552	Sequence 219, App
C 705	39	2.9	3016	3	US-08-814-095-5	Sequence 5, Appli	778	38.6	2.9	1293	3	US-09-370-838-219	Sequence 219, App
C 706	39	2.9	3096	2	US-08-318-826A-6	Sequence 6, Appli	779	38.6	2.9	1293	4	US-09-854-133-219	Sequence 3, Appli
C 707	39	2.9	3096	2	US-08-370-156-3	Sequence 3, Appli	780	38.6	2.9	1305	3	US-09-242-859A-3	Sequence 7, Appli
C 708	39	2.9	3096	3	US-08-814-095-3	Sequence 3, Appli	781	38.6	2.9	1305	3	US-09-242-859A-3	Sequence 3, Appli
C 709	39	2.9	7125	4	US-09-949-016-12359	Sequence 12359, A	782	38.6	2.9	1323	3	US-09-413-422-3	Sequence 3, Appli
C 710	39	2.9	7156	4	US-09-949-016-16710	Sequence 16710, A	783	38.6	2.9	1323	3	US-09-413-422-3	Sequence 3, Appli
C 711	39	2.9	7286	3	US-09-331-581-13	Sequence 13, Appli	784	38.6	2.9	1707	4	US-09-311-021-51	Sequence 51, Appli
C 712	39	2.9	7938	3	US-09-331-581-14	Sequence 14, Appli	785	38.6	2.9	1720	3	US-09-227-357-139	Sequence 139, App
C 713	39	2.9	10301	4	US-09-902-540-985	Sequence 985, App	786	38.6	2.9	1798	2	US-08-557-128-12	Sequence 12, Appli
C 714	39	2.9	72549	4	US-09-949-016-16477	Sequence 16477, A	787	38.6	2.9	1835	3	US-09-485-549-1	Sequence 1, Appli
C 715	39	2.9	76610	4	US-09-949-016-15521	Sequence 15521, A	788	38.6	2.9	1998	3	US-09-232-197-68	Sequence 68, Appli
C 716	38.8	2.9	165	3	US-09-043-303-17	Sequence 17, Appli	789	38.6	2.9	1998	3	US-09-232-197-68	Sequence 68, Appli
C 717	38.8	2.9	188	4	US-09-621-976-10364	Sequence 10364, A	790	38.6	2.9	1998	3	US-09-232-197-68	Sequence 68, Appli
C 718	38.8	2.9	413	3	US-09-328-111-25	Sequence 25, Appli	791	38.6	2.9	1998	3	US-09-232-197-68	Sequence 68, Appli
C 719	38.8	2.9	486	4	US-09-639-207-13	Sequence 13, Appli	792	38.6	2.9	1998	3	US-09-232-197-68	Sequence 68, Appli
C 720	38.8	2.9	567	4	US-09-270-767-14141	Sequence 14141, A	793	38.6	2.9	2087	3	US-09-232-200-6	Sequence 6, Appli
C 721	38.8	2.9	730	4	US-09-270-767-14600	Sequence 14600, A	794	38.6	2.9	2087	3	US-09-232-200-6	Sequence 6, Appli
C 722	38.8	2.9	857	3	US-08-460-040-1	Sequence 1, Appli	795	38.6	2.9	2087	3	US-09-232-201-6	Sequence 6, Appli
C 723	38.8	2.9	864	4	US-09-270-767-14160	Sequence 14160, A	796	38.6	2.9	2087	3	US-09-232-201-6	Sequence 6, Appli
C 724	38.8	2.9	888	1	US-09-173-510B-99	Sequence 99, Appli	797	38.6	2.9	2087	3	US-09-232-195-6	Sequence 31, Appli
C 725	38.8	2.9	888	1	US-08-458-218-97	Sequence 97, Appli	798	38.6	2.9	2095	3	US-09-227-357-31	Sequence 12140, A
C 726	38.8	2.9	888	2	US-08-450-417-99	Sequence 99, Appli	799	38.6	2.9	2192	4	US-09-270-767-12140	Sequence 7, Appli
C 727	38.8	2.9	888	4	US-08-450-482B-99	Sequence 99, Appli	800	38.6	2.9	2407	3	US-09-370-807-7	Sequence 7, Appli
C 728	38.8	2.9	991	3	US-08-924-747-25	Sequence 25, Appli	801	38.6	2.9	2407	3	US-09-921-259-7	Sequence 5, Appli
C 729	38.8	2.9	991	3	US-09-247-373B-25	Sequence 25, Appli	802	38.6	2.9	2407	3	US-09-731-165-5	Sequence 24, Appli
C 730	38.8	2.9	991	3	US-09-296-715-25	Sequence 25, Appli	803	38.6	2.9	2407	3	US-09-731-165-5	Sequence 24, Appli
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C 732	38.8	2.9	1133	4	US-10-282-048-1	Sequence 1, Appli	805	38.6	2.9	2836	3	US-08-747-221B-26	Sequence 26, Appli
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C 734	38.8	2.9	1448	3	US-09-387-212-12	Sequence 12, Appli	807	38.6	2.9	2836	3	US-09-005-051-24	Sequence 24, Appli
C 735	38.8	2.9	1448	3	US-09-948-802-12	Sequence 12, Appli	808	38.6	2.9	2836	3	US-09-005-051-24	Sequence 24, Appli
C 736	38.8	2.9	1602	1	US-08-530-950-3	Sequence 3, Appli	809	38.6	2.9	2836	3	US-09-403-942F-24	Sequence 26, Appli
C 737	38.8	2.9	1602	3	US-08-888-429A-3	Sequence 3, Appli	810	38.6	2.9	2836	3	US-09-403-942F-24	Sequence 26, Appli
C 738	38.8	2.9	1602	4	US-09-057-009-3	Sequence 3, Appli	811	38.6	2.9	3207	1	US-07-946-497-1	Sequence 1, Appli
C 739	38.8	2.9	1602	4	US-09-593-653-3	Sequence 3, Appli	812	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 740	38.8	2.9	1810	4	US-09-369-247-11	Sequence 11, Appli	813	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 741	38.8	2.9	2000	3	US-09-439-313-374	Sequence 374, App	814	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 742	38.8	2.9	2000	3	US-09-352-616A-374	Sequence 374, App	815	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 743	38.8	2.9	2000	4	US-09-289-198-302	Sequence 302, App	816	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 744	38.8	2.9	2000	4	US-09-636-215-374	Sequence 374, App	817	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 745	38.8	2.9	2000	4	US-09-629-755-302	Sequence 302, App	818	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 746	38.8	2.9	2000	4	US-09-429-755-302	Sequence 302, App	819	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 747	38.8	2.9	2000	4	US-09-679-426-374	Sequence 374, App	820	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 748	38.8	2.9	2000	4	US-09-759-143-374	Sequence 374, App	821	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 749	38.8	2.9	2000	4	US-09-651-236-374	Sequence 302, App	822	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 750	38.8	2.9	2000	4	US-09-699-293-302	Sequence 302, App	823	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 751	38.8	2.9	2013	4	US-09-596-196-3	Sequence 3, Appli	824	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 752	38.8	2.9	2013	4	US-09-291-922-21	Sequence 21, Appli	825	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 753	38.8	2.9	2013	4	US-09-439-313-375	Sequence 375, App	826	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 754	38.8	2.9	2040	3	US-09-352-616A-375	Sequence 375, App	827	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 755	38.8	2.9	2040	3	US-09-289-198-303	Sequence 303, App	828	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 756	38.8	2.9	2040	4	US-09-636-215-375	Sequence 375, App	829	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli
C 757	38.8	2.9	2040	4	US-09-636-215-375	Sequence 375, App	830	38.6	2.9	3207	1	US-08-483-322-1	Sequence 1, Appli

C 831	38.6	2.9	10660	3	US-09-041-886-16	Sequence 16, Appl	304	2.9	246	4	US-09-621-976-16288	Sequence 16288, A
C 832	38.4	2.9	87	4	US-09-621-976-14560	Sequence 14560, A	905	2.9	249	4	US-09-621-976-16291	Sequence 16291, A
C 833	38.4	2.9	127	4	US-09-621-976-13933	Sequence 13933, A	906	2.9	249	4	US-09-621-976-16292	Sequence 16292, A
C 834	38.4	2.9	183	4	US-09-621-976-13606	Sequence 13606, A	907	2.9	259	4	US-09-621-976-16294	Sequence 16294, A
C 835	38.4	2.9	208	4	US-09-621-976-15504	Sequence 15504, A	908	2.9	261	4	US-09-621-976-17608	Sequence 17608, A
C 836	38.4	2.9	260	2	US-08-520-678A-29	Sequence 29, Appl	909	2.9	316	4	US-09-513-999C-838	Sequence 838, App
C 837	38.4	2.9	260	3	US-08-897-126-29	Sequence 29, Appl	910	2.9	319	4	US-09-621-976-16055	Sequence 16055, A
C 838	38.4	2.9	266	4	US-09-621-976-16813	Sequence 16813, A	911	2.9	336	4	US-09-621-976-16581	Sequence 16581, A
C 839	38.4	2.9	331	4	US-09-621-976-16100	Sequence 16100, A	912	2.9	336	4	US-09-621-976-15352	Sequence 15352, A
C 840	38.4	2.9	334	2	US-09-032-684-8	Sequence 8, Appl	913	2.9	330	4	US-09-621-976-16332	Sequence 16332, Ap
C 841	38.4	2.9	334	4	US-09-644-460-8	Sequence 8, Appl	914	2.9	472	4	US-09-370-767-12212	Sequence 1212, A
C 842	38.4	2.9	458	1	US-08-524-757-1	Sequence 1, Appl	915	2.9	588	4	US-09-205-258-64	Sequence 64, Appl
C 843	38.4	2.9	547	1	US-08-131-365B-41	Sequence 41, Appl	916	2.9	687	4	US-09-774-639-45	Sequence 45, Appl
C 844	38.4	2.9	547	2	US-08-668-123-41	Sequence 41, Appl	917	2.9	830	1	US-08-668-609-1	Sequence 1, Appl
C 845	38.4	2.9	550	4	US-09-010-147B-5	Sequence 5, Appl	918	2.9	830	3	US-09-002-832-1	Sequence 1, Appl
C 846	38.4	2.9	646	3	US-09-288-143-22	Sequence 22, Appl	919	2.9	940	2	US-08-471-717-1	Sequence 21, Appl
C 847	38.4	2.9	674	4	US-09-620-405B-465	Sequence 465, App	920	2.9	980	3	US-09-452-239-21	Sequence 21, Appl
C 848	38.4	2.9	674	4	US-09-433-826B-465	Sequence 465, App	921	2.9	1141	4	US-09-800-729-78	Sequence 78, Appl
C 849	38.4	2.9	674	4	US-09-604-287A-465	Sequence 465, App	922	2.9	1166	5	PCT-US96-12123B-1	Sequence 1, Appl
C 850	38.4	2.9	674	4	US-09-834-759-465	Sequence 465, App	923	2.9	1288	4	US-09-205-258-125	Sequence 125, App
C 851	38.4	2.9	674	4	US-09-590-751A-465	Sequence 465, App	924	2.9	1308	4	US-10-151-832-1	Sequence 1, Appl
C 852	38.4	2.9	674	4	US-09-551-621-465	Sequence 465, App	925	2.9	1397	4	US-09-270-767-11144	Sequence 11144, A
C 853	38.4	2.9	695	3	US-09-404-879A-212	Sequence 212, App	926	2.9	1544	4	US-09-187-999-14	Sequence 14, Appl
C 854	38.4	2.9	695	4	US-09-338-933-212	Sequence 212, App	927	2.9	1558	1	US-08-455-550-7	Sequence 7, Appl
C 855	38.4	2.9	695	4	US-09-215-681-212	Sequence 212, App	928	2.9	1766	4	US-09-504-615-29	Sequence 29, Appl
C 856	38.4	2.9	695	4	US-09-216-003A-212	Sequence 212, App	929	2.9	1813	5	PCT-US94-12883-3	Sequence 3, Appl
C 857	38.4	2.9	695	4	US-09-667-857-212	Sequence 212, App	930	2.9	1835	4	US-09-564-808-5	Sequence 5, Appl
C 858	38.4	2.9	801	4	US-10-039-659A-5	Sequence 5, Appl	931	2.9	1898	1	US-08-342-411A-1	Sequence 1, Appl
C 859	38.4	2.9	941	4	US-09-205-258-186	Sequence 186, App	932	2.9	2003	4	US-09-665-479A-1	Sequence 1, Appl
C 860	38.4	2.9	1024	4	US-09-328-475C-50	Sequence 50, Appl	933	2.9	2262	4	US-09-311-021-171	Sequence 171, App
C 861	38.4	2.9	1065	4	US-09-976-594-833	Sequence 833, App	934	2.9	2291	4	US-09-220-132-114	Sequence 114, App
C 862	38.4	2.9	1648	4	US-09-809-545A-65	Sequence 65, Appl	935	2.9	2291	4	US-09-814-915A-95	Sequence 95, Appl
C 863	38.4	2.9	1670	4	US-09-023-655-980	Sequence 980, App	936	2.9	2581	3	US-09-363-708-1	Sequence 1, Appl
C 864	38.4	2.9	1696	4	US-09-835-811-1	Sequence 1, Appl	937	2.9	2581	4	US-09-083-587-1	Sequence 1, Appl
C 865	38.4	2.9	1728	3	US-08-985-950-7	Sequence 7, Appl	938	2.9	2610	3	US-09-545-814-1	Sequence 1, Appl
C 866	38.4	2.9	1728	4	US-09-546-049-7	Sequence 7, Appl	939	2.9	2610	3	US-09-545-814-3	Sequence 3, Appl
C 867	38.4	2.9	1881	3	US-09-029-348-20	Sequence 20, Appl	940	2.9	3376	1	US-08-320-559-29	Sequence 29, Appl
C 868	38.4	2.9	1926	3	US-09-249-585A-2	Sequence 4, Appl	941	2.9	3376	3	US-08-545-860D-29	Sequence 29, Appl
C 869	38.4	2.9	1931	2	US-09-130-114-2	Sequence 2, Appl	942	2.9	3376	5	PCT-US94-04496-29	Sequence 29, Appl
C 870	38.4	2.9	1995	1	US-08-425-069-3	Sequence 3, Appl	943	2.9	3438	4	US-10-164-595-29	Sequence 29, Appl
C 871	38.4	2.9	1995	2	US-08-317-84B-3	Sequence 3, Appl	944	2.9	3722	4	US-10-164-595-9	Sequence 9, Appl
C 872	38.4	2.9	2026	4	US-09-650-454-30	Sequence 30, Appl	945	2.9	3852	4	US-10-164-595-5	Sequence 5, Appl
C 873	38.4	2.9	2214	4	US-09-684-405-10	Sequence 10, Appl	946	2.9	3937	4	US-10-164-595-7	Sequence 7, Appl
C 874	38.4	2.9	2242	4	US-09-482-273-35	Sequence 35, Appl	947	2.9	3985	4	US-10-164-595-3	Sequence 3, Appl
C 875	38.4	2.9	2311	4	US-09-720-317A-19	Sequence 19, Appl	948	2.9	6065	4	US-09-800-729-35	Sequence 35, Appl
C 876	38.4	2.9	2381	1	US-08-021-608D-9	Sequence 9, Appl	949	2.9	7989	4	US-09-539-601-10	Sequence 10, Appl
C 877	38.4	2.9	2381	5	PCT-US94-01782-9	Sequence 9, Appl	950	2.9	8001	4	US-09-539-601-7	Sequence 7, Appl
C 878	38.4	2.9	2381	1	US-08-726-160-9	Sequence 9, Appl	951	2.9	8001	4	US-09-539-601-16	Sequence 16, Appl
C 879	38.4	2.9	2384	1	US-08-021-608D-1	Sequence 1, Appl	952	2.9	8001	4	US-09-539-601-22	Sequence 22, Appl
C 880	38.4	2.9	2384	1	US-08-726-160-1	Sequence 1, Appl	953	2.9	8001	4	US-09-539-601-28	Sequence 28, Appl
C 881	38.4	2.9	2384	5	PCT-US94-01782-1	Sequence 1, Appl	954	2.9	8637	4	US-09-539-601-4	Sequence 4, Appl
C 882	38.4	2.9	2605	2	US-08-680-395-4	Sequence 4, Appl	955	2.9	8638	4	US-10-029-907-7	Sequence 7, Appl
C 883	38.4	2.9	2605	4	US-08-892-695-4	Sequence 4, Appl	956	2.9	8638	4	US-10-029-907-24	Sequence 24, Appl
C 884	38.4	2.9	2628	1	US-08-143-219-1	Sequence 1, Appl	957	2.9	8638	4	US-10-029-907-25	Sequence 25, Appl
C 885	38.4	2.9	2744	3	US-09-071-101-1	Sequence 1, Appl	958	2.9	8639	4	US-10-029-907-1	Sequence 1, Appl
C 886	38.4	2.9	2744	3	US-09-369-618-1	Sequence 1, Appl	959	2.9	8642	4	US-10-029-907-2	Sequence 2, Appl
C 887	38.4	2.9	2744	3	US-09-369-617-1	Sequence 1, Appl	960	2.9	8649	4	US-09-539-601-13	Sequence 13, Appl
C 888	38.4	2.9	3334	4	US-09-668-119-2	Sequence 2, Appl	961	2.9	11076	4	US-09-539-601-1	Sequence 1, Appl
C 889	38.4	2.9	4032	1	US-08-126-587C-8	Sequence 8, Appl	962	2.9	11076	4	US-09-539-601-19	Sequence 19, Appl
C 890	38.4	2.9	4827	4	US-09-949-016-525	Sequence 525, App	963	2.9	11076	4	US-09-539-601-25	Sequence 25, Appl
C 891	38.4	2.9	5893	1	US-08-592-126-54	Sequence 54, Appl	964	2.9	11076	4	US-09-539-601-31	Sequence 31, Appl
C 892	38.4	2.9	5893	4	US-09-168-595-14	Sequence 14, Appl	965	2.9	37838	4	US-09-949-016-12134	Sequence 12134, A
C 893	38.4	2.9	15252	4	US-09-949-016-13584	Sequence 13584, A	966	2.9	160	4	US-09-621-976-10335	Sequence 10335, A
C 894	38.4	2.9	43676	3	US-09-356-952-12	Sequence 12, Appl	967	2.9	163	4	US-09-621-976-9608	Sequence 9608, Ap
C 895	38.4	2.9	96845	4	US-09-949-016-13658	Sequence 13658, A	968	2.9	233	4	US-09-621-976-16632	Sequence 16632, A
C 896	38.4	2.9	211049	4	US-09-949-016-15770	Sequence 15770, A	969	2.9	233	4	US-09-621-976-16058	Sequence 16058, A
C 897	38.2	2.9	157	4	US-09-621-976-16781	Sequence 16781, A	970	2.9	357	4	US-09-621-976-16058	Sequence 16058, A
C 898	38.2	2.9	189	4	US-09-621-976-14761	Sequence 14761, A	971	2.9	359	4	US-09-621-976-16008	Sequence 16008, A
C 899	38.2	2.9	190	4	US-09-621-976-16784	Sequence 16784, A	972	2.9	359	4	US-09-621-976-16019	Sequence 16019, A
C 900	38.2	2.9	222	4	US-09-621-976-16293	Sequence 16293, A	973	2.9	362	4	US-09-621-976-16010	Sequence 16010, A
C 901	38.2	2.9	231	4	US-09-621-976-16317	Sequence 16317, A	974	2.9	365	4	US-09-621-976-16042	Sequence 16042, A
C 902	38.2	2.9	242	4	US-09-621-976-16320	Sequence 16320, A	975	2.9	395	3	US-09-195-106-21	Sequence 21, Appl
C 903	38.2	2.9	242	4	US-09-621-976-16324	Sequence 16324, A	976	2.9	430	4	US-09-621-976-16656	Sequence 16656, A



977	38	2.9	433	1	US-07-987-272A-13	Sequence 13, Appl	1050	37.8	2.8	1214	4	US-09-780-717-28	Sequence 28, Appl
C 978	38	2.9	467	2	US-08-841-349-18	Sequence 18, Appl	1051	37.8	2.8	1242	3	US-08-413-974-1	Sequence 1, Appl
C 979	38	2.9	467	3	US-09-431-184A-18	Sequence 18, Appl	1052	37.8	2.8	1242	3	US-08-434-418-1	Sequence 1, Appl
980	38	2.9	474	3	US-08-516-859A-97	Sequence 97, Appl	1053	37.8	2.8	1242	3	US-08-433-288-1	Sequence 1, Appl
981	38	2.9	474	3	US-09-586-472-97	Sequence 97, Appl	1054	37.8	2.8	1242	3	US-08-174-739A-1	Sequence 1, Appl
982	38	2.9	474	3	US-09-528-706-97	Sequence 97, Appl	1055	37.8	2.8	1242	3	US-08-434-256-1	Sequence 1, Appl
C 983	38	2.9	601	4	US-09-949-016-44635	Sequence 44635, A	1056	37.8	2.8	1271	4	US-09-905-558D-1	Sequence 1, Appl
984	38	2.9	664	4	US-09-904-615-66	Sequence 66, Appl	C1057	37.8	2.8	1272	4	US-09-252-991A-10762	Sequence 10762, A
985	38	2.9	1192	4	US-09-439-554-23	Sequence 23, Appl	1058	37.8	2.8	1307	2	US-09-960-022-17	Sequence 17, Appl
986	38	2.9	1275	3	US-08-793-666-9	Sequence 9, Appl	1059	37.8	2.8	1323	4	US-09-252-991A-10284	Sequence 10284, A
987	38	2.9	1277	4	US-09-270-767-25838	Sequence 25838, A	1060	37.8	2.8	1414	4	US-09-404-296B-9	Sequence 9, Appl
988	38	2.9	1280	4	US-09-369-247-40	Sequence 40, Appl	1061	37.8	2.8	1425	4	US-09-232-991A-10396	Sequence 10396, A
989	38	2.9	1297	4	US-09-800-729-80	Sequence 3892, Ap	1062	37.8	2.8	1508	3	US-09-039-046-1	Sequence 1, Appl
C 990	38	2.9	1449	4	US-09-902-540-3892	Sequence 6516, Ap	1063	37.8	2.8	1692	4	US-09-821-803A-5	Sequence 5, Appl
991	38	2.9	1620	4	US-09-902-540-6516	Sequence 26, Appl	1064	37.8	2.8	1781	1	US-08-314-615-2	Sequence 2, Appl
992	38	2.9	1687	1	US-08-143-219-26	Sequence 57, Appl	1065	37.8	2.8	1781	1	US-08-314-362-2	Sequence 2, Appl
993	38	2.9	1746	4	US-09-485-529-57	Sequence 13, Appl	1066	37.8	2.8	1781	1	US-08-433-010-2	Sequence 4, Appl
994	38	2.9	1768	4	US-09-485-529-13	Sequence 31, Appl	1067	37.8	2.8	1781	1	US-08-245-235-4	Sequence 4, Appl
995	38	2.9	1790	4	US-09-866-028-31	Sequence 31, Appl	1068	37.8	2.8	1781	1	US-08-481-130-4	Sequence 4, Appl
996	38	2.9	1904	1	US-09-944-457-31	Sequence 1, Appl	1069	37.8	2.8	1781	1	US-08-656-984A-4	Sequence 4, Appl
997	38	2.9	2209	1	US-08-514-014-1	Sequence 1, Appl	1070	37.8	2.8	1781	1	US-08-482-882-2	Sequence 2, Appl
998	38	2.9	2209	2	US-08-833-823-1	Sequence 107, App	1071	37.8	2.8	1781	1	US-08-483-389-2	Sequence 2, Appl
999	38	2.9	2267	4	US-09-917-265A-107	Sequence 107, App	1072	37.8	2.8	1781	2	US-08-487-113D-2	Sequence 2, Appl
C1000	38	2.9	2267	4	US-09-917-265A-109	Sequence 109, App	1073	37.8	2.8	1781	2	US-08-487-535-4	Sequence 4, Appl
1001	38	2.9	2389	4	US-09-799-875-7	Sequence 7, Appl	1074	37.8	2.8	1781	2	US-08-473-503-2	Sequence 2, Appl
1002	38	2.9	2440	4	US-09-966-880A-1	Sequence 1, Appl	1075	37.8	2.8	1781	2	US-08-483-932-2	Sequence 2, Appl
1003	38	2.9	2567	3	US-08-993-260-4	Sequence 4, Appl	1076	37.8	2.8	1781	2	US-08-720-420A-2	Sequence 2, Appl
1004	38	2.9	2674	3	US-09-817-180-1	Sequence 1, Appl	1077	37.8	2.8	1781	3	US-08-714-017-2	Sequence 2, Appl
1005	38	2.9	2674	4	US-10-003-295-1	Sequence 1, Appl	1078	37.8	2.8	1781	3	US-08-863-790-2	Sequence 2, Appl
C1006	38	2.9	2779	4	US-09-902-540-474	Sequence 474, App	1079	37.8	2.8	1781	3	US-08-475-680-2	Sequence 2, Appl
1007	38	2.9	2964	4	US-09-578-063-25	Sequence 25, Appl	1080	37.8	2.8	1781	3	US-08-296-749-2	Sequence 2, Appl
1008	38	2.9	3300	3	US-09-336-643A-82	Sequence 82, Appl	1081	37.8	2.8	1781	4	US-08-314-369-2	Sequence 1, Appl
1009	38	2.9	3556	4	US-09-270-767-10439	Sequence 10439, A	1082	37.8	2.8	1798	3	US-09-797-906-1	Sequence 1, Appl
1010	38	2.9	4064	4	US-09-873-737A-3	Sequence 3, Appl	1083	37.8	2.8	1878	3	US-09-465-558-39	Sequence 39, Appl
C1011	38	2.9	6751	4	US-09-761-466-5	Sequence 5, Appl	1084	37.8	2.8	2550	6	5258287-23	Patent No. 5258287
1012	38	2.9	19222	4	US-09-902-540-1192	Sequence 1192, Ap	1085	37.8	2.8	2550	6	5258287-23	Patent No. 5258287
C1013	38	2.9	51273	4	US-09-949-016-13018	Sequence 13018, A	1086	37.8	2.8	3366	4	US-09-596-141C-6	Sequence 6, Appl
C1014	38	2.9	152481	4	US-09-949-016-12521	Sequence 12521, A	1087	37.8	2.8	3366	4	US-09-595-526C-6	Sequence 6, Appl
C1015	38	2.9	152798	4	US-09-949-016-12775	Sequence 12775, A	1088	37.8	2.8	3366	4	US-09-511-625B-3	Sequence 3, Appl
C1016	38	2.9	152822	4	US-09-949-016-17518	Sequence 17518, A	1089	37.8	2.8	3894	3	US-09-511-625B-3	Sequence 3, Appl
C1017	38	2.9	152822	4	US-09-949-016-17519	Sequence 17519, A	1090	37.8	2.8	4482	2	US-08-567-508C-1	Sequence 1, Appl
C1018	38	2.9	767677	4	US-09-949-016-12147	Sequence 12147, A	1091	37.8	2.8	4482	3	US-09-196-480-1	Sequence 1, Appl
C1019	38	2.9	767677	4	US-09-949-016-17361	Sequence 17361, A	1092	37.8	2.8	7812	3	US-09-368-590-1	Sequence 1, Appl
1020	37.8	2.8	66	4	US-09-621-976-12102	Sequence 12102, A	1093	37.8	2.8	10442	4	US-09-596-141C-1	Sequence 1, Appl
1021	37.8	2.8	82	4	US-09-621-976-12434	Sequence 12434, A	1094	37.8	2.8	10442	4	US-09-595-526C-1	Sequence 7, Appl
1022	37.8	2.8	192	4	US-09-621-976-12434	Sequence 12434, A	1095	37.8	2.8	10474	4	US-09-596-141C-7	Sequence 7, Appl
1023	37.8	2.8	201	4	US-09-248-796A-11190	Sequence 11190, A	1096	37.8	2.8	10474	4	US-09-596-141C-9	Sequence 9, Appl
1024	37.8	2.8	229	4	US-09-621-976-15152	Sequence 15152, A	1097	37.8	2.8	10474	4	US-09-595-526C-7	Sequence 7, Appl
1025	37.8	2.8	229	4	US-09-702-705-195	Sequence 195, App	1098	37.8	2.8	10474	4	US-09-595-526C-9	Sequence 9, Appl
1026	37.8	2.8	229	4	US-09-736-457-195	Sequence 195, App	1099	37.8	2.8	24986	4	US-09-902-540-1200	Sequence 1200, Ap
1027	37.8	2.8	229	4	US-09-614-124B-195	Sequence 195, App	1100	37.8	2.8	29172	4	US-09-949-016-15520	Sequence 15520, A
1028	37.8	2.8	229	4	US-09-671-325-195	Sequence 195, App	C1101	37.8	2.8	40905	4	US-09-949-016-16864	Sequence 16864, A
1029	37.8	2.8	229	4	US-09-589-184-195	Sequence 195, App	C1102	37.8	2.8	253375	4	US-09-949-016-12849	Sequence 12849, A
C1030	37.8	2.8	229	4	US-09-658-824-195	Sequence 195, App	C1103	37.8	2.8	640681	4	US-09-790-988-1	Sequence 1, Appl
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1271	37.4	2.8	2152	4	US-08-425-069-1	Sequence 1, Appl	1344	37.2	2.8	2345	3	US-09-300-985-1	Sequence 1, Appl
1272	37.4	2.8	2338	1	US-08-317-844B-1	Sequence 1, Appl	1345	37.2	2.8	2483	4	US-09-205-258-68	Sequence 68, Appl
1273	37.4	2.8	2621	4	US-09-949-016-1072	Sequence 1072, Ap	1346	37.2	2.8	2970	4	US-09-902-540-8779	Sequence 8779, Ap
1274	37.4	2.8	2668	3	US-09-370-838-156	Sequence 156, App	1347	37.2	2.8	3047	1	US-07-927-851-2	Sequence 2, Appl
1275	37.4	2.8	2668	4	US-09-854-133-156	Sequence 156, App	1348	37.2	2.8	3047	1	US-08-453-323-2	Sequence 2, Appl
1276	37.4	2.8	2671	6	5168051-9	Patent No. 5168051	1349	37.2	2.8	3047	1	US-08-440-520-2	Sequence 2, Appl
1277	37.4	2.8	2671	6	5168051-9	Patent No. 5168051	1350	37.2	2.8	3312	4	US-09-669-751-259	Sequence 965, App
1278	37.4	2.8	2718	4	US-09-667-135-1	Sequence 1, Appl	1351	37.2	2.8	3301	4	US-09-949-016-965	Sequence 1, Appl
1279	37.4	2.8	2908	4	US-09-904-615-35	Sequence 35, Appl	1352	37.2	2.8	3901	4	US-09-389-956-1	Sequence 102, App
1280	37.4	2.8	4119	4	US-09-949-016-457	Sequence 457, App	1353	37.2	2.8	3906	2	US-08-469-337A-102	Sequence 1, Appl
1281	37.4	2.8	18650	4	US-09-949-016-13440	Sequence 13440, A	1354	37.2	2.8	4239	2	US-09-815-048-1	Sequence 1, Appl
1282	37.4	2.8	86213	4	US-09-949-016-17240	Sequence 17240, A	1355	37.2	2.8	5503	2	US-08-726-012B-1	Sequence 989, App
1283	37.4	2.8	86213	4	US-09-949-016-17241	Sequence 17241, A	1356	37.2	2.8	5503	4	US-09-023-655-989	Sequence 1, Appl
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1285	37.4	2.8	86213	4	US-09-949-016-17243	Sequence 17243, A	1358	37.2	2.8	7005	4	US-09-902-540-932	Sequence 13613, A
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1287	37.2	2.8	163	4	US-09-621-976-15440	Sequence 15440, A	1360	37.2	2.8	76281	4	US-09-949-016-15316	Sequence 13216, A
1288	37.2	2.8	185	4	US-09-621-976-16779	Sequence 16779, A	1361	37.2	2.8	144322	4	US-09-949-016-17504	Sequence 17504, A
1289	37.2	2.8	232	4	US-09-621-976-17701	Sequence 17701, A	1362	37.2	2.8	276237	4	US-09-621-976-17049	Sequence 17049, A
1290	37.2	2.8	250	4	US-09-621-976-18893	Sequence 18893, A	1363	37	2.8	270	4	US-09-621-976-16983	Sequence 16983, A
1291	37.2	2.8	257	2	US-08-520-678A-24	Sequence 24, Appl	1364	37	2.8	277	4	US-08-341-568-3	Sequence 3, Appl
1292	37.2	2.8	257	3	US-08-897-126-24	Sequence 73, Appl	1365	37	2.8	289	2	US-08-911-020-3	Sequence 3, Appl
1293	37.2	2.8	268	4	US-09-621-976-73	Sequence 16142, A	1366	37	2.8	289	2	US-09-621-976-16965	Sequence 16099, A
1294	37.2	2.8	322	4	US-09-621-976-16142	Sequence 16018, A	1367	37	2.8	293	4	US-09-621-976-16099	Sequence 4, Appl
1295	37.2	2.8	327	4	US-09-621-976-16018	Sequence 42, Appl	1368	37	2.8	304	4	US-08-721-488-4	Sequence 130, App
1296	37.2	2.8	396	4	US-09-640-173-42	Sequence 42, Appl	1369	37	2.8	308	2	US-09-205-258-130	Sequence 10, Appl
1297	37.2	2.8	396	4	US-09-713-550-42	Sequence 42, Appl	1370	37	2.8	472	4	US-07-885-970A-10	Sequence 10, Appl
1298	37.2	2.8	396	4	US-09-825-294-42	Sequence 42, Appl	1371	37	2.8	570	1	US-08-298-687A-10	Sequence 10, Appl
1299	37.2	2.8	396	4	US-09-970-966-42	Sequence 42, Appl	1372	37	2.8	570	1	US-08-298-687A-10	Sequence 10, Appl
1300	37.2	2.8	475	4	US-09-621-976-2630	Sequence 2630, Ap	1373	37	2.8	570	1	US-08-298-687A-10	Sequence 10, Appl
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1310	37.2	2.8	1013	1	US-07-920-519-30	Sequence 30, Appl	1383	37	2.8	606	4	US-08-981-799A-102	Sequence 102, App
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1316	37.2	2.8	1440	4	US-09-252-991A-2867	Sequence 2867, Ap	1389	37	2.8	767	1	US-08-184-604-1	Sequence 4, Appl
1317	37.2	2.8	1469	3	US-09-252-991A-2675	Sequence 2675, Ap	1390	37	2.8	875	4	US-09-589-733C-4	Sequence 2, Appl
1318	37.2	2.8	1469	3	US-09-074-912-1	Sequence 1, Appl	1391	37	2.8	896	2	US-08-624-650-2	Sequence 2, Appl
1319	37.2	2.8	1515	4	US-09-290-136-1	Sequence 1, Appl	1392	37	2.8	996	4	US-09-818-648-2	Sequence 18, Appl
1320	37.2	2.8	1525	3	US-09-157-603-4	Sequence 4, Appl	1393	37	2.8	1064	4	US-09-096-724B-18	Sequence 3, Appl
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1327	37.2	2.8	1875	4	US-09-614-912-129	Sequence 129, App	1400	37	2.8	1355	4	US-09-599-360B-64	Sequence 64, Appl
1328	37.2	2.8	1875	4	US-08-417-174-26	Sequence 26, Appl	1401	37	2.8	1512	4	US-09-482-273-18	Sequence 18, Appl
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1341	37.2	2.8	2206	4	US-09-905-064A-3	Sequence 3, Appl	1414	37	2.8	2241	4	US-09-673-395A-133	Sequence 133, App









; Patent No. 5849564  
; GENERAL INFORMATION:  
; APPLICANT: Chang, Yuan  
; APPLICANT: Bohenzky, Roy A.  
; APPLICANT: Russo, James J.  
; APPLICANT: Edelman, Isidore S.  
; APPLICANT: Moore, Patrick S.  
; TITLE OF INVENTION: POLYPEPTIDES FROM KAPOSI'S SARCOMA-ASSOCIATED  
; TITLE OF INVENTION: HERPESVIRUS, DNA ENCODING SAME AND USES THEREOF  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.30  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/770,379  
; FILING DATE:  
; CLASSIFICATION: 435  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 52342  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 278-0400  
; TELEFAX: (212) 391-0525  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 32207 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
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Db 19723 CTCTCTGCTGCT 19778  
  
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; Sequence 20, Application US/08757669A  
; Patent No. 6183751  
; GENERAL INFORMATION:  
; APPLICANT: Chang, Yuan  
; APPLICANT: Bohenzky, Roy A.  
; APPLICANT: Russo, James J.  
; APPLICANT: Edelman, Isidore S.  
; APPLICANT: Moore, Patrick S.

; TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS  
; TITLE OF INVENTION: SEQUENCES AND USES THEREOF  
; NUMBER OF SEQUENCES: 20  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Cooper & Dunham LLP  
; STREET: 1185 Avenue of the Americas  
; CITY: New York  
; STATE: New York  
; COUNTRY: U.S.A.  
; ZIP: 10036  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
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; APPLICATION NUMBER: US/08/757,669A  
; FILING DATE:  
; CLASSIFICATION: 424  
; ATTORNEY/AGENT INFORMATION:  
; NAME: White, John P.  
; REGISTRATION NUMBER: 28,678  
; REFERENCE/DOCKET NUMBER: 45185-F  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (212) 278-0400  
; TELEFAX: (212) 391-0525  
; INFORMATION FOR SEQ ID NO: 20:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 32207 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; MOLECULE TYPE: DNA (genomic)  
; US-08-757-669A-20  
  
Query Match 3.8%; Score 50.6; DB 3; Length 32207;  
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; Patent No. 6348586  
; GENERAL INFORMATION:  
; APPLICANT: Chang, Yuan  
; APPLICANT: Bohenzky, Roy A.  
; APPLICANT: Russo, James J.  
; APPLICANT: Edelman, Isidore S.  
; APPLICANT: Moore, Patrick S.  
; TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND  
; TITLE OF INVENTION: USES THEREOF  
; FILE REFERENCE: 45185-G-PCT-US  
; CURRENT APPLICATION NUMBER: US/09/230,371A  
; CURRENT FILING DATE: 1999-11-17  
; PRIOR APPLICATION NUMBER: PCT/US97/13346  
; PRIOR FILING DATE: 1997-07-22



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; NUMBER OF SEQ ID NOS: 30
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; TYPE: DNA
; ORGANISM: Kaposi's sarcoma-associated herpesvirus
US-09-230-371A-20

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; Sequence 18332, Application US/09621976
; Patent No. 6639063
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Jobert, S.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: ESTs and Encoded Human Proteins.
; FILE REFERENCE: GENSET.054PR2
; CURRENT APPLICATION NUMBER: US/09/621,976
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: Patent.pm
; SEQ ID NO 18332
; LENGTH: 191
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-621-976-18332

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; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 169225
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; TYPE: DNA
; ORGANISM: Human
US-09-949-016-169225

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; Sequence 66, Application US/09149476
; Patent No. 6420526
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 186 Human Secreted proteins
; FILE REFERENCE: P2002P1
; CURRENT APPLICATION NUMBER: US/09/149,476
; CURRENT FILING DATE: 1998-09-08
; EARLIER APPLICATION NUMBER: PCT/US98/04493
; EARLIER FILING DATE: 1998-03-06
; EARLIER APPLICATION NUMBER: 60/040,162
; EARLIER FILING DATE: 1997-03-07
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; EARLIER FILING DATE: 1997-08-22
; EARLIER APPLICATION NUMBER: 60/057,669
; EARLIER FILING DATE: 1997-09-05
; EARLIER APPLICATION NUMBER: 60/049,610
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/061,060
; EARLIER FILING DATE: 1997-10-02

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Qy 1287 CGGACACAGACTGAAAAAIAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 1332
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; Patent No. 6673988
; GENERAL INFORMATION:
; APPLICANT: Cahoon, Edgar B.
; APPLICANT: Cahoon, Rebecca E.
; APPLICANT: Klein, Ted
; APPLICANT: Shen, Jennie
; TITLE OF INVENTION: Plant Lipases
; FILE REFERENCE: BB1401 US NA
; CURRENT APPLICATION NUMBER: US/09/668,097A
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 60/157309
; PRIOR FILING DATE: 1999-10-01
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: Microsoft Office 97
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; TYPE: DNA
; ORGANISM: Glycine max
US-09-668-097A-13

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GenCore version 5.1.6  
Copyright (c) 1993 - 2005 CompuGen Ltd.

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Run on: March 11, 2005, 17:19:48 ; Search time 161 Seconds  
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C 7	89.5	12.3	50383	4	US-09-949-016-17600
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C 9	87.5	12.0	24070	4	US-09-949-016-16153
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C 23	84.5	11.6	45469	4	US-09-949-016-13398	Sequence 13398, A
C 24	84	11.5	2988	4	US-09-362-842-1	Sequence 1, Appli
C 25	83.5	11.4	601	4	US-09-949-016-206836	Sequence 206836,
C 26	83.5	11.4	5187	2	US-08-540-406-3	Sequence 3, Appli
C 27	83.5	11.4	5187	2	US-08-540-406-9	Sequence 9, Appli
C 28	83.5	11.4	5187	3	US-08-656-055-3	Sequence 3, Appli
C 29	83.5	11.4	5187	3	US-08-656-055-9	Sequence 9, Appli
C 30	83.5	11.4	5187	3	US-08-954-668-3	Sequence 3, Appli
C 31	83.5	11.4	5187	3	US-08-954-668-9	Sequence 9, Appli
C 32	83.5	11.4	5187	3	US-08-918-658-3	Sequence 3, Appli
C 33	83.5	11.4	5187	3	US-08-918-658-9	Sequence 9, Appli
C 34	83.5	11.4	5187	4	US-09-724-631-3	Sequence 3, Appli
C 35	83.5	11.4	5187	4	US-09-724-631-9	Sequence 9, Appli
C 36	83.5	11.4	5187	4	US-08-954-701A-3	Sequence 3, Appli
C 37	83.5	11.4	5187	4	US-08-954-701A-9	Sequence 9, Appli
C 38	83.5	11.4	5187	5	PCT-US95-13233-3	Sequence 3, Appli
C 39	83.5	11.4	5187	5	PCT-US95-13233-9	Sequence 9, Appli
C 40	83.5	11.4	5288	2	US-08-540-406-18	Sequence 18, Appl
C 41	83.5	11.4	5288	3	US-08-656-055-18	Sequence 18, Appl
C 42	83.5	11.4	5288	3	US-08-954-668-18	Sequence 18, Appl
C 43	83.5	11.4	5288	3	US-08-918-658-18	Sequence 18, Appl
C 44	83.5	11.4	5288	4	US-09-724-631-18	Sequence 18, Appl
C 45	83.5	11.4	5288	4	US-08-954-701A-18	Sequence 18, Appl
C 46	83.5	11.4	5288	5	PCT-US95-13233-18	Sequence 18, Appl
C 47	83.5	11.4	6568	4	US-08-857-636-1	Sequence 1, Appli
C 48	83.5	11.4	14688	4	US-09-949-016-12220	Sequence 12220, A
C 49	83.5	11.4	14797	4	US-09-949-016-13719	Sequence 13719, A
C 50	83.5	11.4	22976	4	US-09-269-939A-19	Sequence 19, Appl
C 51	83.5	11.4	23815	4	US-09-949-016-16274	Sequence 16274, A
C 52	83	11.4	13343	4	US-09-949-016-17015	Sequence 17015, A
C 53	83	11.4	4403765	3	US-09-103-840A-2	Sequence 2, Appli
C 54	83	11.4	4411529	3	US-09-103-840A-1	Sequence 1, Appli
C 55	82.5	11.3	6649	4	US-09-799-451-384	Sequence 384, App
C 56	82.5	11.3	23187	4	US-09-499-522-1	Sequence 1, Appli
C 57	82.5	11.3	23394	4	US-09-949-016-17131	Sequence 17131, A
C 58	82.5	11.3	33061	4	US-09-949-016-16848	Sequence 16848, A
C 59	82	11.2	664	4	US-09-269-446D-42	Sequence 42, Appl
C 60	82	11.2	2035	5	PCT-US93-12464-1	Sequence 1, Appli
C 61	82	11.2	4152	3	US-08-826-134-5	Sequence 5, Appli
C 62	82	11.2	5280	4	US-09-949-016-5586	Sequence 5586, App
C 63	82	11.2	5293	4	US-09-949-016-524	Sequence 524, App
C 64	82	11.2	5294	3	US-08-826-134-1	Sequence 1, Appli
C 65	82	11.2	65485	4	US-09-949-016-13757	Sequence 13757, A
C 66	82	11.2	65552	4	US-09-949-016-12303	Sequence 12303, A
C 67	81.5	11.2	2629	2	US-09-012-030-1	Sequence 1, Appli
C 68	81.5	11.2	2629	2	US-08-590-454-1	Sequence 1, Appli
C 69	81.5	11.2	2629	2	US-09-919-039-71	Sequence 71, Appl
C 70	81.5	11.2	2752	3	US-08-630-915A-29	Sequence 29, Appl
C 71	81.5	11.2	3345	3	US-09-879-957-29	Sequence 29, Appl
C 72	81.5	11.2	3345	4	US-09-616-289-50	Sequence 50, Appl
C 73	81.5	11.2	12425	4	US-09-616-289-50	Sequence 50, Appl
C 74	81.5	11.2	87562	4	US-09-949-016-13685	Sequence 13685, A
C 75	81	11.1	2595	3	US-09-281-766-18	Sequence 18, Appl
C 76	81	11.1	2595	4	US-09-612-858-18	Sequence 18, Appl
C 77	81	11.1	2555	4	US-09-957-995A-18	Sequence 18, Appl
C 78	81	11.1	2780	4	US-09-023-655-1139	Sequence 1139, Ap
C 79	81	11.1	11667	4	US-09-949-016-13934	Sequence 13934, A
C 80	81	11.1	112623	4	US-09-949-016-14374	Sequence 14374, A
C 81	80.5	11.0	514	4	US-09-621-976-3661	Sequence 3661, Ap
C 82	80.5	11.0	601	4	US-09-949-016-156288	Sequence 156288,
C 83	80.5	11.0	601	4	US-09-949-016-156289	Sequence 156289,
C 84	80.5	11.0	1257	4	US-09-902-540-8864	Sequence 8864, App
C 85	80.5	11.0	6037	4	US-09-902-540-631	Sequence 631, App

86	80.5	11.0	8540	4	US-09-902-540-944	Sequence 944, App	159	78	10.7	2154	4	US-09-929-583B-1	Sequence 1, Appli
C 87	80.5	11.0	9734	4	US-09-949-016-16107	Sequence 16107, A	160	78	10.7	2154	5	PCT-US93-09636-1	Sequence 1, Appli
88	80.5	11.0	15352	4	US-09-949-016-13584	Sequence 13584, A	161	78	10.7	2157	4	US-09-489-039A-4783	Sequence 4783, Ap
89	80.5	11.0	29291	4	US-09-949-016-16263	Sequence 16263, A	C 162	78	10.7	2240	4	US-09-799-451-571	Sequence 571, App
C 90	80.5	11.0	42053	4	US-09-949-016-15924	Sequence 15924, A	163	78	10.7	4170	2	US-08-619-198-8	Sequence 8, Appli
C 91	80.5	11.0	97989	4	US-09-949-016-13208	Sequence 13208, A	164	78	10.7	5192	2	US-08-619-198-8	Sequence 8, Appli
C 92	80.5	11.0	76767	4	US-09-949-016-12147	Sequence 12147, A	165	78	10.7	5198	2	US-08-619-198-1	Sequence 1, Appli
C 93	80.5	11.0	76767	4	US-09-949-016-17361	Sequence 17361, A	C 166	78	10.7	10217	4	US-09-949-016-15556	Sequence 15556, A
C 94	80	11.0	2150	2	US-08-861-464-13	Sequence 13, Appl	167	78	10.7	10838	4	US-09-902-540-1013	Sequence 1013, Ap
95	80	11.0	2150	3	US-09-323-433A-13	Sequence 13, Appl	168	78	10.7	12425	4	US-09-616-289-50	Sequence 50, Appl
96	80	11.0	2150	3	US-09-826-752-13	Sequence 13, Appl	169	78	10.7	18848	4	US-09-902-540-1174	Sequence 1174, Ap
97	80	11.0	4990	4	US-09-439-410A-73	Sequence 73, Appl	C 170	78	10.7	27600	4	US-09-949-016-15290	Sequence 15290, A
C 98	80	11.0	6953	1	US-07-805-123C-2	Sequence 2, Appli	171	78	10.7	35688	4	US-09-949-016-16873	Sequence 16873, A
99	80	11.0	6953	1	US-08-033-081B-2	Sequence 2, Appli	C 172	78	10.7	60990	4	US-09-949-016-14080	Sequence 14080, A
100	80	11.0	15482	4	US-09-902-540-1067	Sequence 1067, Ap	C 173	78	10.7	93510	4	US-09-949-016-15095	Sequence 15095, A
C 101	80	11.0	777	4	US-09-252-991A-5881	Sequence 5881, Ap	174	78	10.7	169998	3	US-09-676-610B-24	Sequence 24, Appl
C 102	79.5	10.9	1287	4	US-09-252-991A-5766	Sequence 5766, Ap	175	78	10.7	197496	4	US-09-877-177A-10	Sequence 10, Appl
C 103	79.5	10.9	1287	4	US-09-252-991A-5804	Sequence 5804, Ap	C 176	77.5	10.6	601	4	US-09-949-016-42514	Sequence 42514, A
C 104	79.5	10.9	1523	4	US-09-252-991A-5804	Sequence 5804, Ap	C 177	77.5	10.6	601	4	US-09-949-016-75736	Sequence 75736, A
105	79.5	10.9	1857	4	US-09-902-540-6367	Sequence 6367, Ap	C 178	77.5	10.6	1110	4	US-09-949-016-1032	Sequence 1032, Ap
106	79.5	10.9	1857	4	US-09-252-991A-5847	Sequence 5847, Ap	C 179	77.5	10.6	1110	4	US-09-949-016-3923	Sequence 3923, Ap
C 107	79.5	10.9	2238	4	US-09-902-540-2944	Sequence 2944, Ap	C 180	77.5	10.6	1291	4	US-09-799-451-943	Sequence 843, App
C 108	79.5	10.9	2537	4	US-09-902-540-415	Sequence 415, App	C 181	77.5	10.6	2824	4	US-09-992-481-5	Sequence 5, Appli
C 109	79.5	10.9	3045	4	US-09-949-016-4707	Sequence 4707, Ap	182	77.5	10.6	2824	4	US-10-434-034-5	Sequence 5, Appli
C 110	79.5	10.9	3045	4	US-09-949-016-701	Sequence 701, App	C 183	77.5	10.6	7153	4	US-09-949-016-16751	Sequence 16751, A
C 111	79.5	10.9	9506	4	US-09-949-016-16449	Sequence 16449, A	C 184	77.5	10.6	15507	4	US-09-949-016-17413	Sequence 17413, A
C 112	79.5	10.9	11858	4	US-09-949-016-12443	Sequence 12443, A	185	77.5	10.6	15511	4	US-09-949-016-11891	Sequence 11891, A
C 113	79.5	10.9	23417	4	US-09-902-540-1207	Sequence 1207, Ap	186	77.5	10.6	23187	4	US-09-499-522-1	Sequence 1, Appli
C 114	79	10.8	348	4	US-09-513-999C-12863	Sequence 12863, A	187	77.5	10.6	59693	4	US-09-949-016-12966	Sequence 12966, A
C 115	79	10.8	1419	4	US-09-252-991A-8433	Sequence 8433, Ap	C 188	77.5	10.6	59698	4	US-09-949-016-11888	Sequence 11888, A
C 116	79	10.8	1548	4	US-09-252-991A-8413	Sequence 8413, Ap	C 189	77.5	10.6	60785	4	US-09-949-016-12774	Sequence 12774, A
C 117	79	10.8	1812	4	US-09-252-991A-8467	Sequence 8467, Ap	C 190	77.5	10.6	60785	4	US-09-949-016-13665	Sequence 13665, A
C 118	79	10.8	2046	4	US-09-949-016-4934	Sequence 4934, Ap	C 191	77.5	10.6	63425	4	US-09-949-016-16579	Sequence 16579, A
C 119	79	10.8	2133	4	US-09-252-991A-8375	Sequence 8375, Ap	C 192	77.5	10.6	84319	4	US-09-949-016-17402	Sequence 17402, A
C 120	79	10.8	2472	1	US-08-221-750A-2	Sequence 2, Appli	193	77	10.5	825	4	US-09-949-016-202200	Sequence 202200, A
C 121	79	10.8	2716	4	US-09-902-540-9300	Sequence 9300, Ap	C 194	77	10.5	825	4	US-09-902-540-2797	Sequence 2797, Ap
C 122	79	10.8	3805	4	US-09-108-006C-3	Sequence 3, Appli	C 195	77	10.5	2045	4	US-09-620-312D-759	Sequence 759, App
C 123	79	10.8	5449	4	US-10-329-668-9	Sequence 9, Appli	C 196	77	10.5	2571	4	US-09-923-655-203	Sequence 203, App
C 124	79	10.8	7742	1	US-08-221-750A-1	Sequence 1, Appli	C 197	77	10.5	2798	4	US-09-949-016-11947	Sequence 11947, A
C 125	79	10.8	10297	4	US-09-949-016-13752	Sequence 13752, A	C 198	77	10.5	10187	4	US-09-949-016-17414	Sequence 17414, A
C 126	79	10.8	12624	4	US-09-902-540-993	Sequence 993, App	C 199	77	10.5	13401	4	US-09-949-016-17239	Sequence 17239, A
C 127	79	10.8	17003	4	US-09-949-016-15244	Sequence 15244, A	C 200	77	10.5	13402	4	US-09-949-016-14595	Sequence 14595, A
C 128	79	10.8	18227	4	US-09-949-016-16517	Sequence 16517, A	C 201	77	10.5	13865	3	US-09-009-217-11	Sequence 11, Appl
C 129	79	10.8	18228	4	US-09-949-016-12709	Sequence 12709, A	C 202	77	10.5	13865	3	US-09-009-656-11	Sequence 11, Appl
C 130	79	10.8	18302	4	US-09-949-016-13163	Sequence 13163, A	C 203	77	10.5	13865	3	US-09-009-656-11	Sequence 11, Appl
C 131	79	10.8	18302	4	US-09-949-016-15860	Sequence 15860, A	C 204	77	10.5	14340	4	US-09-949-016-16972	Sequence 16972, A
C 132	79	10.8	20875	4	US-09-949-016-14070	Sequence 14070, A	C 205	77	10.5	15644	4	US-09-902-540-1133	Sequence 1133, Ap
C 133	79	10.8	54033	4	US-09-949-016-12091	Sequence 12091, A	C 206	77	10.5	15644	4	US-09-902-540-15745	Sequence 15745, A
C 134	79	10.8	54033	4	US-09-949-016-12091	Sequence 14325, A	C 207	77	10.5	27490	4	US-09-902-540-1227	Sequence 1227, Ap
C 135	79	10.8	54779	4	US-09-949-001-27	Sequence 27, Appl	C 208	77	10.5	31861	4	US-09-949-016-13803	Sequence 13803, A
C 136	79	10.8	54780	4	US-09-949-001-39	Sequence 39, Appl	C 209	77	10.5	31861	4	US-09-949-016-13967	Sequence 13967, A
C 137	79	10.8	146095	4	US-09-949-016-12872	Sequence 12872, A	C 210	77	10.5	33529	3	US-09-144-085-3	Sequence 3, Appli
C 138	79	10.8	146104	4	US-09-949-016-13239	Sequence 13239, A	C 211	77	10.5	43267	4	US-09-949-016-17117	Sequence 17117, A
C 139	78.5	10.8	401	4	US-09-513-999C-28324	Sequence 28324, A	C 212	76.5	10.5	381	4	US-09-621-976-17839	Sequence 17839, A
C 140	78.5	10.8	9622	4	US-09-949-016-14643	Sequence 14643, A	C 213	76.5	10.5	415	4	US-09-902-540-1410	Sequence 1410, Ap
C 141	78.5	10.8	9622	4	US-09-949-016-14644	Sequence 14644, A	C 214	76.5	10.5	461	4	US-09-621-976-3353	Sequence 3353, Ap
C 142	78.5	10.8	9623	4	US-09-949-016-14362	Sequence 14362, A	C 215	76.5	10.5	601	4	US-09-949-016-20220	Sequence 20220, A
C 143	78.5	10.8	12932	4	US-09-949-016-14362	Sequence 14363, A	C 216	76.5	10.5	601	4	US-09-949-016-58585	Sequence 58585, A
C 144	78.5	10.8	13219	4	US-09-949-016-13522	Sequence 13522, A	C 217	76.5	10.5	601	4	US-09-949-016-71151	Sequence 71151, A
C 145	78.5	10.8	43717	4	US-09-902-540-1264	Sequence 1264, Ap	C 218	76.5	10.5	1086	1	US-08-415-751-47	Sequence 47, Appl
C 146	78.5	10.8	43717	4	US-09-949-016-16821	Sequence 16821, A	C 219	76.5	10.5	4591	4	US-09-902-540-3369	Sequence 3369, Ap
C 147	78.5	10.8	54033	4	US-09-949-016-14325	Sequence 14325, A	C 220	76.5	10.5	8147	3	US-09-514-247A-9	Sequence 9, Appli
C 148	78.5	10.8	54033	4	US-09-949-016-14325	Sequence 14325, A	C 221	76.5	10.5	9790	4	US-09-949-016-17204	Sequence 17204, A
C 149	78	10.7	1149	4	US-09-902-540-2840	Sequence 2840, Ap	C 222	76.5	10.5	12521	4	US-09-949-016-15988	Sequence 15988, A
C 150	78	10.7	1236	4	US-09-252-991A-2031	Sequence 45, Appl	C 223	76.5	10.5	16287	4	US-09-949-016-17203	Sequence 17203, A
C 151	78	10.7	1614	4	US-09-616-289-45	Sequence 75, App	C 224	76.5	10.5	17125	4	US-09-949-016-13442	Sequence 13442, A
C 152	78	10.7	2153	4	US-09-799-451-753	Sequence 1, Appli	C 225	76.5	10.5	29653	4	US-09-949-016-11862	Sequence 11862, A
C 153	78	10.7	2154	1	US-08-383-750-1	Sequence 1, Appli	C 226	76.5	10.5	37304	4	US-09-949-016-16872	Sequence 16872, A
C 154	78	10.7	2154	3	US-08-383-751A-1	Sequence 1, Appli	C 227	76.5	10.5	37861	4	US-09-949-016-17527	Sequence 17527, A
C 155	78	10.7	2154	3	US-08-352-678-1	Sequence 1, Appli	C 228	76.5	10.5	53769	4	US-09-949-016-14167	Sequence 14167, A
C 156	78	10.7	2154	4	US-09-536-954-1	Sequence 1, Appli	C 229	76.5	10.5	93398	4	US-09-949-016-13841	Sequence 13841, A
C 157	78	10.7	2154	4	US-09-016-434-1214	Sequence 1214, Ap	C 230	76.5	10.5	134008	4	US-09-949-016-13841	Sequence 8043, Ap
C 158	78	10.7	2154	4	US-09-023-655-1094	Sequence 1094, Ap	C 231	76	10.4	753	4	US-09-252-991A-8043	Sequence 8043, Ap

C 232	76	10.4	981	4	US-09-252-991A-8278	Sequence 8278, Ap	C 305	75	10.3	849	4	US-09-312-283C-20	Sequence 20, Appl
C 233	76	10.4	1080	4	US-09-266-965-53	Sequence 53, Appl	C 306	75	10.3	944	3	US-09-188-930-238	Sequence 238, App
C 234	76	10.4	1081	3	US-09-372-422A-33	Sequence 33, Appl	C 307	75	10.3	944	4	US-09-312-283C-238	Sequence 238, App
C 235	76	10.4	1741	4	US-09-221-013A-13	Sequence 13, Appl	C 308	75	10.3	1023	4	US-09-252-991A-1846	Sequence 1846, Ap
C 236	76	10.4	2632	4	US-09-949-016-4837	Sequence 4837, Ap	C 309	75	10.3	1878	4	US-09-620-312D-263	Sequence 263, App
C 237	76	10.4	2681	4	US-09-566-921-108	Sequence 108, App	C 310	75	10.3	1879	6	5212296-5	Patent No. 5212296
C 238	76	10.4	3747	2	US-09-080-897-1	Sequence 1, Appl	C 311	75	10.3	1879	6	5212296-5	Patent No. 5212296
C 239	76	10.4	3747	3	US-09-323-735-1	Sequence 1, Appl	C 312	75	10.3	3271	4	US-09-548-797B-1	Sequence 1, Appl
C 240	76	10.4	16139	4	US-09-949-016-13778	Sequence 13778, A	C 313	75	10.3	3390	4	US-09-548-797B-2	Sequence 2, Appl
C 241	76	10.4	29905	4	US-09-949-016-16788	Sequence 16788, A	C 314	75	10.3	3582	4	US-09-548-797B-3	Sequence 3, Appl
C 242	76	10.4	33411	4	US-09-949-016-15201	Sequence 15201, A	C 315	75	10.3	4604	4	US-09-902-540-602	Sequence 602, App
C 243	76	10.4	43267	4	US-09-949-016-17117	Sequence 17117, A	C 316	75	10.3	12317	4	US-09-949-016-14782	Sequence 14782, A
C 244	76	10.4	52199	4	US-09-949-016-12763	Sequence 12763, A	C 317	75	10.3	24538	4	US-09-949-016-13100	Sequence 13100, A
C 245	76	10.4	52203	4	US-09-949-016-16330	Sequence 16330, A	C 318	75	10.3	29430	4	US-09-544-398B-7	Sequence 7, Appl
C 246	76	10.4	53500	4	US-09-266-965-76	Sequence 76, Appl	C 319	75	10.3	29430	4	US-09-544-398B-7	Sequence 7, Appl
C 247	76	10.4	129778	4	US-09-949-016-12191	Sequence 12191, A	C 320	75	10.3	42250	4	US-09-949-016-15426	Sequence 15426, A
C 248	76	10.4	129778	4	US-09-949-016-12191	Sequence 12191, A	C 321	75	10.3	42450	4	US-09-949-016-14105	Sequence 14105, A
C 249	76	10.4	304533	4	US-09-949-016-15371	Sequence 15371, A	C 322	75	10.3	50937	3	US-09-428-517-1	Sequence 1, Appl
C 250	76	10.4	304533	4	US-09-949-016-15372	Sequence 15372, A	C 323	75	10.3	87039	4	US-09-949-016-15691	Sequence 3, Appl
C 251	76	10.4	670689	4	US-09-949-016-12505	Sequence 12505, A	C 324	75	10.3	121982	4	US-09-949-016-12085	Sequence 12085, A
C 252	76	10.4	670690	4	US-09-949-016-14207	Sequence 14207, A	C 325	75	10.3	121982	4	US-09-949-016-14105	Sequence 14105, A
C 253	76	10.4	767677	4	US-09-949-016-12147	Sequence 12147, A	C 326	75	10.3	140844	4	US-09-949-016-14199	Sequence 14199, A
C 254	76	10.4	767677	4	US-09-949-016-17361	Sequence 17361, A	C 327	75	10.3	4403765	3	US-09-103-840A-2	Sequence 2, Appl
C 255	75.5	10.3	330	4	US-09-513-999C-12862	Sequence 12862, A	C 328	74.5	10.2	436	4	US-09-513-999C-2248	Sequence 2248, Ap
C 256	75.5	10.3	601	4	US-09-949-016-128905	Sequence 128905, A	C 329	74.5	10.2	601	4	US-09-949-016-32547	Sequence 32547, A
C 257	75.5	10.3	825	4	US-09-266-965-58	Sequence 58, Appl	C 330	74.5	10.2	601	4	US-09-949-016-32928	Sequence 32928, A
C 258	75.5	10.3	967	4	US-09-302-540-7886	Sequence 7886, Ap	C 331	74.5	10.2	601	4	US-09-949-016-32928	Sequence 32928, A
C 259	75.5	10.3	2223	4	US-09-302-540-3967	Sequence 3967, Ap	C 332	74.5	10.2	601	4	US-09-949-016-124462	Sequence 124462, A
C 260	75.5	10.3	2940	3	US-09-195-868-11	Sequence 11, Appl	C 333	74.5	10.2	601	4	US-09-949-016-138054	Sequence 138054, A
C 261	75.5	10.3	3691	3	US-09-195-868-12	Sequence 12, Appl	C 334	74.5	10.2	601	4	US-09-949-016-173576	Sequence 173576, A
C 262	75.5	10.3	4147	3	US-08-560-005-1	Sequence 1, Appl	C 335	74.5	10.2	601	4	US-09-949-016-185576	Sequence 185576, A
C 263	75.5	10.3	4147	3	US-09-418-540-1	Sequence 1, Appl	C 336	74.5	10.2	601	4	US-09-949-016-202209	Sequence 202209, A
C 264	75.5	10.3	4147	3	US-09-369-528-1	Sequence 1, Appl	C 337	74.5	10.2	601	4	US-09-949-016-202210	Sequence 202210, A
C 265	75.5	10.3	4870	3	US-08-664-962B-7	Sequence 7, Appl	C 338	74.5	10.2	601	4	US-09-949-016-202211	Sequence 202211, A
C 266	75.5	10.3	4870	3	US-09-311-743-7	Sequence 7, Appl	C 339	74.5	10.2	1017	4	US-09-602-787A-653	Sequence 653, App
C 267	75.5	10.3	5808	4	US-09-302-540-794	Sequence 794, App	C 340	74.5	10.2	1506	4	US-09-023-655-379	Sequence 379, App
C 268	75.5	10.3	6732	4	US-09-976-594-99	Sequence 99, Appl	C 341	74.5	10.2	1555	4	US-09-949-016-2716	Sequence 2716, Ap
C 269	75.5	10.3	7883	4	US-09-949-016-13183	Sequence 13183, A	C 342	74.5	10.2	1758	4	US-09-949-016-756	Sequence 756, App
C 270	75.5	10.3	9729	4	US-09-302-540-948	Sequence 948, App	C 343	74.5	10.2	1765	4	US-09-620-312D-843	Sequence 843, App
C 271	75.5	10.3	11276	4	US-09-302-540-1034	Sequence 1034, Ap	C 344	74.5	10.2	2257	4	US-09-949-016-2837	Sequence 2837, App
C 272	75.5	10.3	11673	4	US-09-949-016-13671	Sequence 13671, A	C 345	74.5	10.2	2257	4	US-09-949-016-2838	Sequence 2838, Ap
C 273	75.5	10.3	11726	4	US-09-949-016-16968	Sequence 16968, A	C 346	74.5	10.2	2283	4	US-09-252-991A-15153	Sequence 15153, A
C 274	75.5	10.3	11726	4	US-09-949-016-16969	Sequence 16969, A	C 347	74.5	10.2	2283	4	US-09-949-016-4047	Sequence 4047, Ap
C 275	75.5	10.3	13945	4	US-09-949-016-14231	Sequence 14231, A	C 348	74.5	10.2	2638	4	US-09-016-434-1090	Sequence 1090, Ap
C 276	75.5	10.3	15077	4	US-09-949-016-12441	Sequence 12441, A	C 349	74.5	10.2	3733	4	US-09-949-016-1551	Sequence 1551, Ap
C 277	75.5	10.3	15077	4	US-09-949-016-17577	Sequence 17577, A	C 350	74.5	10.2	4261	4	US-09-949-016-3867	Sequence 3867, Ap
C 278	75.5	10.3	16341	4	US-09-949-016-14579	Sequence 14579, A	C 351	74.5	10.2	5581	3	US-08-973-544-1	Sequence 1, Appl
C 279	75.5	10.3	16341	4	US-09-949-016-14580	Sequence 14580, A	C 352	74.5	10.2	5788	4	US-09-949-016-12498	Sequence 12498, A
C 280	75.5	10.3	16410	4	US-09-949-016-11781	Sequence 11781, A	C 353	74.5	10.2	5788	4	US-09-949-016-14458	Sequence 14458, A
C 281	75.5	10.3	16411	4	US-09-949-016-11780	Sequence 11780, A	C 354	74.5	10.2	5870	4	US-09-949-016-15247	Sequence 15247, A
C 282	75.5	10.3	18324	4	US-09-302-540-1196	Sequence 1196, Ap	C 355	74.5	10.2	5992	4	US-09-949-016-2263	Sequence 2263, Ap
C 283	75.5	10.3	19728	4	US-09-949-016-12506	Sequence 12506, A	C 356	74.5	10.2	8417	4	US-09-949-016-14618	Sequence 14618, A
C 284	75.5	10.3	19728	4	US-09-949-016-15767	Sequence 15767, A	C 357	74.5	10.2	10187	4	US-09-949-016-17414	Sequence 17414, A
C 285	75.5	10.3	30360	4	US-09-949-016-15716	Sequence 15716, A	C 358	74.5	10.2	12001	1	US-08-458-568A-11	Sequence 11, Appl
C 286	75.5	10.3	31467	4	US-09-949-016-13134	Sequence 13134, A	C 359	74.5	10.2	13436	4	US-09-949-016-15811	Sequence 15811, A
C 287	75.5	10.3	31868	4	US-09-949-016-11907	Sequence 11907, A	C 360	74.5	10.2	14156	4	US-09-949-016-16772	Sequence 16772, A
C 288	75.5	10.3	36399	4	US-09-949-016-15399	Sequence 15399, A	C 361	74.5	10.2	14205	4	US-09-949-016-16396	Sequence 16396, A
C 289	75.5	10.3	37155	4	US-09-949-016-16945	Sequence 16945, A	C 362	74.5	10.2	18955	4	US-09-949-016-13343	Sequence 13343, A
C 290	75.5	10.3	41589	4	US-09-949-016-12867	Sequence 12867, A	C 363	74.5	10.2	20850	4	US-09-949-016-15789	Sequence 15789, A
C 291	75.5	10.3	41589	4	US-09-949-016-15666	Sequence 15666, A	C 364	74.5	10.2	21920	4	US-09-949-016-15809	Sequence 15809, A
C 292	75.5	10.3	41589	4	US-09-949-016-13909	Sequence 13909, A	C 365	74.5	10.2	21920	4	US-09-949-016-17281	Sequence 17281, A
C 293	75.5	10.3	56448	4	US-09-949-016-16463	Sequence 16463, A	C 366	74.5	10.2	28378	4	US-09-949-016-12818	Sequence 12818, A
C 294	75.5	10.3	60002	4	US-09-949-016-12464	Sequence 12464, A	C 367	74.5	10.2	30678	4	US-09-949-016-15516	Sequence 15516, A
C 295	75.5	10.3	60003	4	US-09-949-016-13823	Sequence 13823, A	C 368	74.5	10.2	37601	4	US-09-949-016-15516	Sequence 15516, A
C 296	75.5	10.3	152481	4	US-09-949-016-12521	Sequence 12521, A	C 369	74.5	10.2	39113	4	US-09-949-016-15634	Sequence 15634, A
C 297	75.5	10.3	152798	4	US-09-949-016-12775	Sequence 12775, A	C 370	74.5	10.2	57392	4	US-09-949-016-12070	Sequence 12070, A
C 298	75.5	10.3	152822	4	US-09-949-016-17518	Sequence 17518, A	C 371	74.5	10.2	57402	4	US-09-949-016-13293	Sequence 13293, A
C 299	75.5	10.3	152822	4	US-09-949-016-17519	Sequence 17519, A	C 372	74.5	10.2	66933	4	US-09-544-398B-11	Sequence 11, Appl
C 300	75.5	10.3	4411529	3	US-09-103-840A-1	Sequence 1, Appl	C 373	74.5	10.2	66933	4	US-09-543-771B-11	Sequence 11, Appl
C 301	75	10.3	601	4	US-09-949-016-80823	Sequence 80823, A	C 374	74.5	10.2	103987	4	US-09-949-016-12513	Sequence 12513, A
C 302	75	10.3	601	4	US-09-949-016-178684	Sequence 178684, A	C 375	74.5	10.2	103988	4	US-09-949-016-17050	Sequence 17050, A
C 303	75	10.3	612	4	US-09-252-991A-2454	Sequence 2454, Ap	C 376	74.5	10.2	14084	4	US-09-949-016-14199	Sequence 14199, A
C 304	75	10.3	849	3	US-09-188-930-20	Sequence 20, Appl	C 377	74	10.1	561	4	US-09-252-991A-1945	Sequence 1945, Ap

C 378	74	10.1	601	4	US-09-949-016-178683	Sequence 178683,	C 451	73.5	10.1	3337	3	US-09-092-458-1	Sequence 1, Appli
C 379	74	10.1	897	4	US-09-902-540-7777	Sequence 7777, Ap	C 452	73.5	10.1	3337	4	US-08-719-821C-1	Sequence 1, Appli
C 380	74	10.1	1438	2	US-08-845-742-1	Sequence 1, Appli	C 453	73.5	10.1	3627	4	US-09-134-000C-2351	Sequence 2351, Ap
C 381	74	10.1	1554	4	US-09-902-540-8905	Sequence 8905, Ap	C 454	73.5	10.1	8758	3	US-09-799-345-3	Sequence 3, Appli
C 382	74	10.1	1605	2	US-08-095-728B-5	Sequence 6551, Ap	C 455	73.5	10.1	8758	4	US-09-962-276-3	Sequence 3, Appli
C 383	74	10.1	2155	2	US-08-095-728B-5	Sequence 5, Appli	C 456	73.5	10.1	11199	4	US-09-902-540-1017	Sequence 1017, Ap
C 384	74	10.1	2155	5	PCT-US92-02320A-5	Sequence 388, App	C 457	73.5	10.1	16139	4	US-09-949-016-13278	Sequence 13278, A
C 385	74	10.1	2199	4	US-09-949-016-388	Sequence 489, App	C 458	73.5	10.1	18326	4	US-09-949-016-15625	Sequence 15625, A
C 386	74	10.1	2200	4	US-09-949-016-4899	Sequence 483, App	C 459	73.5	10.1	20099	4	US-09-949-016-13074	Sequence 13074, A
C 387	74	10.1	2488	4	US-09-902-540-489	Sequence 10740, A	C 460	73.5	10.1	22104	4	US-09-949-016-12745	Sequence 12745, A
C 388	74	10.1	2549	4	US-09-270-767-10740	Sequence 3, Appli	C 461	73.5	10.1	22104	4	US-09-949-016-17263	Sequence 17263, A
C 389	74	10.1	2574	4	US-08-780-045-3	Sequence 57, Appl	C 462	73.5	10.1	22104	4	US-09-949-016-17126	Sequence 17126, A
C 390	74	10.1	2635	3	US-08-186-276B-57	Sequence 57, Appl	C 463	73.5	10.1	23975	4	US-09-902-540-1239	Sequence 1239, Ap
C 391	74	10.1	2635	3	US-08-842-445-57	Sequence 57, Appl	C 464	73.5	10.1	25048	4	US-09-902-540-1239	Sequence 1239, Ap
C 392	74	10.1	2635	3	US-09-186-188B-57	Sequence 57, Appl	C 465	73.5	10.1	53562	4	US-09-949-016-16286	Sequence 16286, A
C 393	74	10.1	2635	3	US-09-265-585C-57	Sequence 57, Appl	C 466	73.5	10.1	53562	4	US-09-949-016-15017	Sequence 15017, A
C 394	74	10.1	2731	4	US-09-976-594-281	Sequence 281, App	C 467	73.5	10.1	55551	4	US-09-949-016-12030	Sequence 12030, A
C 395	74	10.1	3036	1	US-08-306-691B-52	Sequence 52, Appl	C 468	73.5	10.1	172677	4	US-08-949-016-13444	Sequence 13444, A
C 396	74	10.1	3036	2	US-08-095-728B-1	Sequence 1, Appli	C 469	73	10.0	519	4	US-08-252-991A-8226	Sequence 8226, Ap
C 397	74	10.1	3036	5	PCT-US92-02320A-1	Sequence 1, Appli	C 470	73	10.0	601	4	US-09-949-016-88993	Sequence 88993, A
C 398	74	10.1	3431	3	US-10-177-308-1	Sequence 1, Appli	C 471	73	10.0	601	4	US-09-949-016-148780	Sequence 148780, A
C 399	74	10.1	3431	3	US-10-177-308-1	Sequence 1, Appli	C 472	73	10.0	601	4	US-09-949-016-189008	Sequence 189008, A
C 400	74	10.1	3468	3	US-09-632-098-3	Sequence 3, Appli	C 473	73	10.0	672	4	US-09-949-016-206516	Sequence 206516, A
C 401	74	10.1	3468	3	US-08-892-747-13	Sequence 13, Appl	C 474	73	10.0	852	4	US-08-270-767-9935	Sequence 9935, Ap
C 402	74	10.1	3511	3	US-09-016-434-1248	Sequence 1248, Ap	C 475	73	10.0	852	4	US-08-902-540-5894	Sequence 5894, Ap
C 403	74	10.1	4079	4	US-09-949-016-4573	Sequence 4573, Ap	C 476	73	10.0	1074	4	US-09-902-540-5766	Sequence 5766, Ap
C 404	74	10.1	4517	4	US-09-949-016-4573	Sequence 1207, Ap	C 477	73	10.0	1152	4	US-09-902-540-8343	Sequence 8343, Ap
C 405	74	10.1	4519	4	US-09-023-655-1202	Sequence 1202, Ap	C 478	73	10.0	1403	4	US-09-902-540-163	Sequence 163, App
C 406	74	10.1	4519	4	US-09-949-016-650	Sequence 650, App	C 479	73	10.0	1869	4	US-09-902-540-8930	Sequence 8930, Ap
C 407	74	10.1	4519	4	US-09-492-027-3	Sequence 3, Appli	C 480	73	10.0	2070	4	US-09-248-796A-4653	Sequence 4653, Ap
C 408	74	10.1	5350	3	US-08-826-134-3	Sequence 3, Appli	C 481	73	10.0	2095	4	US-08-558-166-4	Sequence 4, Appli
C 409	74	10.1	5989	4	US-09-949-016-13549	Sequence 13549, A	C 482	73	10.0	3489	2	US-08-728-323A-1	Sequence 1, Appli
C 410	74	10.1	6250	4	US-09-902-540-773	Sequence 773, App	C 483	73	10.0	3489	4	US-09-298-568-1	Sequence 1, Appli
C 411	74	10.1	9608	4	US-09-949-016-17096	Sequence 17096, A	C 484	73	10.0	3489	4	US-09-410-399-1	Sequence 1, Appli
C 412	74	10.1	12603	4	US-09-949-016-17096	Sequence 17096, A	C 485	73	10.0	3489	4	US-09-894-273-1	Sequence 1, Appli
C 413	74	10.1	17000	4	US-09-548-797B-7	Sequence 7, Appli	C 486	73	10.0	3552	4	US-09-614-221A-41	Sequence 41, Appl
C 414	74	10.1	25709	4	US-09-949-016-13338	Sequence 13338, A	C 487	73	10.0	4176	4	US-09-902-540-872	Sequence 872, App
C 415	74	10.1	28229	4	US-09-949-016-12368	Sequence 12368, A	C 488	73	10.0	6898	4	US-08-870-126-11	Sequence 11, Appl
C 416	74	10.1	28843	4	US-09-949-016-17325	Sequence 17325, A	C 489	73	10.0	8310	3	US-09-445-247-11	Sequence 11, Appl
C 417	74	10.1	30537	4	US-09-949-016-12268	Sequence 12268, A	C 490	73	10.0	8438	1	US-07-945-283-1	Sequence 1, Appli
C 418	74	10.1	30537	4	US-09-949-016-16508	Sequence 16508, A	C 491	73	10.0	8992	4	US-09-902-540-952	Sequence 952, App
C 419	74	10.1	30773	4	US-09-949-016-12332	Sequence 12332, A	C 492	73	10.0	14985	1	US-08-652-972A-6	Sequence 6, Appli
C 420	74	10.1	30773	4	US-09-949-016-17206	Sequence 17206, A	C 493	73	10.0	14985	5	PCT-US96-06231A-6	Sequence 60, Appl
C 421	74	10.1	46085	4	US-09-949-016-13547	Sequence 13547, A	C 494	73	10.0	15852	3	US-09-422-936-60	Sequence 13892, A
C 422	74	10.1	46085	4	US-09-949-016-13548	Sequence 13548, A	C 495	73	10.0	15852	4	US-09-949-016-13892	Sequence 13892, A
C 423	74	10.1	54202	4	US-09-949-016-15422	Sequence 15422, A	C 496	73	10.0	16562	4	US-09-902-540-1122	Sequence 1122, Ap
C 424	74	10.1	87216	4	US-09-949-016-15891	Sequence 15891, A	C 497	73	10.0	17173	4	US-09-902-540-1143	Sequence 1143, A
C 425	74	10.1	114793	4	US-10-148-806-3	Sequence 3, Appli	C 498	73	10.0	19112	4	US-09-949-016-17541	Sequence 17541, A
C 426	74	10.1	119032	4	US-09-949-016-12160	Sequence 12160, A	C 499	73	10.0	19112	4	US-09-902-540-12266	Sequence 12266, A
C 427	74	10.1	119032	4	US-09-949-016-17268	Sequence 17268, A	C 500	73	10.0	21210	4	US-09-949-016-17328	Sequence 17328, A
C 428	74	10.1	145928	4	US-09-949-016-15444	Sequence 15444, A	C 501	73	10.0	21211	4	US-08-770-379-20	Sequence 20, Appl
C 429	74	10.1	178883	4	US-08-949-016-12733	Sequence 12733, A	C 502	73	10.0	32207	3	US-08-757-669A-20	Sequence 20, Appl
C 430	74	10.1	178884	4	US-09-949-016-13039	Sequence 13039, A	C 503	73	10.0	32207	3	US-09-230-371A-20	Sequence 15232, A
C 431	74	10.1	181429	4	US-09-949-016-12372	Sequence 12372, A	C 504	73	10.0	35837	4	US-09-949-016-15232	Sequence 15304, A
C 432	74	10.1	181430	4	US-09-949-016-15772	Sequence 15772, A	C 505	73	10.0	36954	4	US-09-949-016-15304	Sequence 15304, A
C 433	74	10.1	202001	4	US-09-734-674-3	Sequence 3, Appli	C 506	73	10.0	39251	4	US-09-949-016-16633	Sequence 16633, A
C 434	73.5	10.1	507	4	US-09-252-991A-14417	Sequence 14417, A	C 507	73	10.0	72704	4	US-09-902-540-1273	Sequence 1273, Ap
C 435	73.5	10.1	601	4	US-09-949-016-23891	Sequence 23891, A	C 508	73	10.0	72704	4	US-09-949-016-17150	Sequence 17150, A
C 436	73.5	10.1	601	4	US-09-949-016-46239	Sequence 46239, A	C 509	73	10.0	88950	4	US-09-949-016-16724	Sequence 16724, A
C 437	73.5	10.1	777	4	US-08-125-628-7	Sequence 12864, A	C 510	73	10.0	138693	4	US-09-949-016-14264	Sequence 14264, A
C 438	73.5	10.1	976	1	US-08-125-628-7	Sequence 7, Appli	C 511	73	10.0	162465	4	US-09-949-016-16073	Sequence 16073, A
C 439	73.5	10.1	976	1	US-08-125-628-8	Sequence 8, Appli	C 512	73	10.0	392000	4	US-10-027-983-11	Sequence 11, Appl
C 440	73.5	10.1	2140	4	US-09-902-540-448	Sequence 448, App	C 513	72.5	9.9	601	4	US-09-949-016-22391	Sequence 22391, A
C 441	73.5	10.1	2196	4	US-09-902-540-359	Sequence 359, App	C 514	72.5	9.9	601	4	US-09-949-016-26155	Sequence 26155, A
C 442	73.5	10.1	2199	4	US-09-902-540-6388	Sequence 6388, Ap	C 515	72.5	9.9	601	4	US-09-949-016-27111	Sequence 32711, A
C 443	73.5	10.1	2585	4	US-09-902-540-424	Sequence 424, App	C 516	72.5	9.9	601	4	US-09-949-016-80824	Sequence 80824, A
C 444	73.5	10.1	2779	4	US-09-902-540-474	Sequence 474, App	C 517	72.5	9.9	601	4	US-09-949-016-138055	Sequence 138055, A
C 445	73.5	10.1	2912	4	US-09-962-665-14	Sequence 14, Appl	C 518	72.5	9.9	601	4	US-09-949-016-142324	Sequence 142324, A
C 446	73.5	10.1	2912	4	US-09-963-333-14	Sequence 14, Appl	C 519	72.5	9.9	601	4	US-09-949-016-154196	Sequence 154196, A
C 447	73.5	10.1	2912	4	US-09-963-677-14	Sequence 14, Appl	C 520	72.5	9.9	601	4	US-09-949-016-167315	Sequence 167315, A
C 448	73.5	10.1	3321	1	US-09-023-655-1361	Sequence 1361, Ap	C 521	72.5	9.9	601	4	US-09-949-016-173577	Sequence 173577, A
C 449	73.5	10.1	3337	1	US-08-072-610-1	Sequence 1, Appli	C 522	72.5	9.9	601	4	US-09-949-016-183240	Sequence 183240, A
C 450	73.5	10.1	3337	2	US-08-719-822B-1	Sequence 1, Appli	C 523	72.5	9.9	601	4	US-09-949-016-204571	Sequence 204571, A



524	72.5	9.9	601	4	US-09-949-016-204572	Sequence 204572,	c 597	72	9.9	601	4	US-09-949-016-126262	Sequence 126262,
525	72.5	9.9	760	1	US-08-276-452A-49	Sequence 49, Appl	c 598	72	9.9	601	4	US-09-949-016-124278	Sequence 124278,
526	72.5	9.9	760	2	US-08-798-744-49	Sequence 49, Appl	c 599	72	9.9	601	4	US-09-949-016-172910	Sequence 172910,
527	72.5	9.9	945	4	US-09-671-050-11	Sequence 11, Appl	c 600	72	9.9	601	4	US-09-949-016-172918	Sequence 172918,
528	72.5	9.9	972	4	US-09-671-050-5	Sequence 5, Appl	c 601	72	9.9	601	4	US-09-949-016-188098	Sequence 188098,
529	72.5	9.9	1399	4	US-09-902-540-367	Sequence 367, App	c 602	72	9.9	623	3	US-09-043-303-5	Sequence 5, Appl
530	72.5	9.9	1399	4	US-09-902-540-6274	Sequence 6274, App	c 603	72	9.9	825	4	US-09-252-991A-11151	Sequence 11151, A
531	72.5	9.9	1599	1	US-08-285-440-11	Sequence 11, Appl	c 604	72	9.9	1023	4	US-09-142-593-3	Sequence 3, Appl
532	72.5	9.9	1599	1	US-08-630-349-11	Sequence 11, Appl	c 605	72	9.9	1047	4	US-09-902-540-9045	Sequence 9045, App
533	72.5	9.9	1633	4	US-09-902-540-6509	Sequence 6509, App	c 606	72	9.9	1198	4	US-09-949-016-835	Sequence 835, App
534	72.5	9.9	1677	1	US-08-285-440-12	Sequence 12, Appl	c 607	72	9.9	1263	4	US-09-252-991A-11039	Sequence 11039, A
535	72.5	9.9	1677	1	US-08-630-349-12	Sequence 12, Appl	c 608	72	9.9	1263	4	US-09-252-991A-15423	Sequence 15423, A
536	72.5	9.9	1686	3	US-08-029-170-30	Sequence 30, Appl	c 609	72	9.9	1305	4	US-09-252-991A-15257	Sequence 15257, A
537	72.5	9.9	1686	4	US-09-443-745-30	Sequence 30, Appl	c 610	72	9.9	1367	4	US-09-023-655-817	Sequence 817, App
538	72.5	9.9	2137	1	US-08-285-440-13	Sequence 13, Appl	c 611	72	9.9	1401	3	US-08-952-457-1	Sequence 1, Appl
539	72.5	9.9	2137	1	US-08-630-349-13	Sequence 13, Appl	c 612	72	9.9	1590	4	US-09-252-991A-2259	Sequence 2259, App
540	72.5	9.9	2148	3	US-09-219-983A-19	Sequence 19, Appl	c 613	72	9.9	1656	4	US-09-252-991A-11216	Sequence 11216, A
541	72.5	9.9	2172	4	US-09-814-915A-16	Sequence 16, Appl	c 614	72	9.9	1663	4	US-09-398-522-108	Sequence 108, App
542	72.5	9.9	2215	1	US-08-285-440-14	Sequence 14, Appl	c 615	72	9.9	1851	4	US-09-949-016-1779	Sequence 1779, App
543	72.5	9.9	2215	1	US-08-630-349-14	Sequence 14, Appl	c 616	72	9.9	1851	4	US-09-949-016-1780	Sequence 1780, App
544	72.5	9.9	2368	1	US-08-653-740-2	Sequence 2, Appl	c 617	72	9.9	2540	4	US-09-799-451-463	Sequence 463, App
545	72.5	9.9	2368	2	US-09-073-594-2	Sequence 2, Appl	c 618	72	9.9	2561	4	US-09-616-289-48	Sequence 48, Appl
546	72.5	9.9	2368	3	US-09-275-925-2	Sequence 2, Appl	c 619	72	9.9	2790	3	US-08-985-950-21	Sequence 21, Appl
547	72.5	9.9	2492	3	US-09-219-983A-18	Sequence 18, Appl	c 620	72	9.9	2790	4	US-09-546-049-21	Sequence 21, Appl
548	72.5	9.9	2633	4	US-09-902-540-470	Sequence 470, App	c 621	72	9.9	2847	4	US-09-502-540-7588	Sequence 7588, App
549	72.5	9.9	2663	1	US-08-653-740-4	Sequence 4, Appl	c 622	72	9.9	4089	4	US-09-902-540-7372	Sequence 7372, App
550	72.5	9.9	2663	3	US-09-073-594-4	Sequence 4, Appl	c 623	72	9.9	4090	4	US-09-902-540-706	Sequence 706, App
551	72.5	9.9	2663	3	US-09-275-925-4	Sequence 4, Appl	c 624	72	9.9	4378	2	US-09-080-897-3	Sequence 3, Appl
552	72.5	9.9	2845	4	US-09-949-016-608	Sequence 608, App	c 625	72	9.9	4378	3	US-09-323-735-3	Sequence 3, Appl
553	72.5	9.9	2847	4	US-09-949-016-1346	Sequence 1346, App	c 626	72	9.9	4399	3	US-08-899-595-2	Sequence 2, Appl
554	72.5	9.9	3014	1	US-08-629-939-1	Sequence 1, Appl	c 627	72	9.9	5822	3	US-08-899-595-4	Sequence 4, Appl
555	72.5	9.9	3014	1	US-08-759-873-1	Sequence 1, Appl	c 628	72	9.9	5822	3	US-08-899-595-5	Sequence 5, Appl
556	72.5	9.9	3014	4	US-09-016-434-1244	Sequence 1244, App	c 629	72	9.9	5924	1	US-08-447-411-44	Sequence 44, Appl
557	72.5	9.9	3732	4	US-09-949-016-328	Sequence 328, App	c 630	72	9.9	5948	2	US-08-662-227-1	Sequence 1, Appl
558	72.5	9.9	3941	4	US-09-949-016-3128	Sequence 3128, App	c 631	72	9.9	5948	3	US-09-017-947-1	Sequence 1, Appl
559	72.5	9.9	3972	3	US-09-770-170-1	Sequence 1, Appl	c 632	72	9.9	5948	4	US-09-925-442-1	Sequence 1, Appl
560	72.5	9.9	4258	3	US-07-765-830A-5	Sequence 5, Appl	c 633	72	9.9	7011	1	US-08-306-691B-42	Sequence 42, Appl
561	72.5	9.9	4825	4	US-09-949-016-15912	Sequence 15912, A	c 634	72	9.9	7594	4	US-09-949-016-17582	Sequence 17582, A
562	72.5	9.9	4826	4	US-09-772-304A-1	Sequence 1, Appl	c 635	72	9.9	7704	4	US-09-902-540-743	Sequence 743, App
563	72.5	9.9	5001	4	US-09-949-016-4691	Sequence 4691, App	c 636	72	9.9	9969	4	US-09-669-980A-4	Sequence 4, Appl
564	72.5	9.9	5884	4	US-09-949-016-17129	Sequence 17129, App	c 637	72	9.9	11295	4	US-09-902-540-967	Sequence 967, App
565	72.5	9.9	6651	4	US-09-902-540-4944	Sequence 4944, App	c 638	72	9.9	11792	4	US-09-949-016-16634	Sequence 16634, A
566	72.5	9.9	9589	1	US-07-925-695-1	Sequence 1, Appl	c 639	72	9.9	11792	4	US-09-949-016-16635	Sequence 16635, A
567	72.5	9.9	9589	1	US-07-925-695-2	Sequence 2, Appl	c 640	72	9.9	12293	4	US-09-949-016-12222	Sequence 12222, A
568	72.5	9.9	9649	4	US-09-949-016-15672	Sequence 15672, A	c 641	72	9.9	12293	4	US-09-949-016-15321	Sequence 15321, A
569	72.5	9.9	22773	4	US-09-990-613A-6	Sequence 6, Appl	c 642	72	9.9	12323	4	US-09-949-016-16703	Sequence 16703, A
570	72.5	9.9	27707	4	US-09-902-540-1226	Sequence 1226, App	c 643	72	9.9	13875	2	US-08-734-344-1	Sequence 1, Appl
571	72.5	9.9	30780	4	US-09-902-540-1243	Sequence 1243, App	c 644	72	9.9	21535	4	US-09-949-016-12826	Sequence 12826, A
572	72.5	9.9	30847	4	US-09-949-016-16657	Sequence 16657, A	c 645	72	9.9	21535	4	US-09-949-016-12827	Sequence 12827, A
573	72.5	9.9	40237	4	US-09-949-016-16461	Sequence 16461, A	c 646	72	9.9	21535	4	US-09-949-016-12828	Sequence 12828, A
574	72.5	9.9	43726	4	US-09-949-016-17578	Sequence 17578, A	c 647	72	9.9	21535	4	US-09-949-016-12829	Sequence 12829, A
575	72.5	9.9	51723	4	US-09-949-016-12152	Sequence 12152, A	c 648	72	9.9	21536	4	US-09-949-016-13366	Sequence 13366, A
576	72.5	9.9	51723	4	US-09-949-016-16991	Sequence 16991, A	c 649	72	9.9	21536	4	US-09-949-016-13367	Sequence 13367, A
577	72.5	9.9	57811	4	US-09-949-016-13192	Sequence 13192, A	c 650	72	9.9	21536	4	US-09-949-016-13368	Sequence 13368, A
578	72.5	9.9	64309	4	US-09-949-016-14581	Sequence 14581, A	c 651	72	9.9	21536	4	US-09-949-016-13369	Sequence 13369, A
579	72.5	9.9	66480	4	US-09-949-016-14817	Sequence 14817, A	c 652	72	9.9	21721	4	US-09-269-939A-41	Sequence 41, Appl
580	72.5	9.9	77734	4	US-09-949-016-17521	Sequence 17521, A	c 653	72	9.9	27491	4	US-09-949-016-12442	Sequence 12442, A
581	72.5	9.9	96202	4	US-09-949-016-16433	Sequence 16433, A	c 654	72	9.9	36387	4	US-09-949-016-12370	Sequence 12370, A
582	72.5	9.9	97195	4	US-09-949-016-12212	Sequence 12212, A	c 655	72	9.9	36387	4	US-09-949-016-13862	Sequence 13862, A
583	72.5	9.9	97196	4	US-09-949-016-16971	Sequence 16971, A	c 656	72	9.9	41815	4	US-09-949-016-17447	Sequence 17447, A
584	72.5	9.9	124480	4	US-09-949-016-15921	Sequence 15921, A	c 657	72	9.9	55298	4	US-09-491-356C-1	Sequence 1, Appl
585	72.5	9.9	131254	4	US-09-949-016-13734	Sequence 13734, A	c 658	72	9.9	56326	4	US-09-949-016-12668	Sequence 12668, A
586	72.5	9.9	139936	4	US-09-949-016-11782	Sequence 11782, A	c 659	72	9.9	68283	4	US-09-949-016-15335	Sequence 15335, A
587	72.5	9.9	139952	4	US-09-949-016-13280	Sequence 13280, A	c 660	72	9.9	88036	4	US-09-949-016-15337	Sequence 15337, A
588	72	9.9	401	3	US-09-643-597-274	Sequence 274, App	c 661	72	9.9	95621	4	US-09-949-016-13237	Sequence 13237, A
589	72	9.9	401	4	US-09-480-884A-274	Sequence 274, App	c 662	72	9.9	96922	4	US-09-949-016-17061	Sequence 17061, A
590	72	9.9	401	4	US-09-542-615A-274	Sequence 274, App	c 663	72	9.9	106256	4	US-09-949-016-16858	Sequence 16858, A
591	72	9.9	401	4	US-09-606-421B-274	Sequence 274, App	c 664	72	9.9	118868	4	US-09-949-016-15746	Sequence 15746, A
592	72	9.9	401	4	US-09-630-940B-274	Sequence 274, App	c 665	72	9.9	120727	4	US-09-949-016-15787	Sequence 15787, A
593	72	9.9	465	4	US-09-621-976-15576	Sequence 15576, A	c 666	72	9.9	120727	4	US-09-949-016-15788	Sequence 15788, A
594	72	9.9	522	4	US-09-352-991A-15534	Sequence 15534, A	c 667	72	9.9	138282	4	US-09-949-016-15307	Sequence 15307, A
595	72	9.9	522	4	US-09-902-540-4871	Sequence 4871, App	c 668	72	9.9	161124	4	US-09-949-016-11760	Sequence 11760, A
596	72	9.9	601	4	US-09-949-016-30123	Sequence 30123, A	c 669	72	9.9	229354	4	US-09-705-400-64	Sequence 64, Appl

C 670	71.5	9.8	588	4	US-09-252-991A-2243	Sequence 2243, Ap	C 743	71.5	9.8	19203	4	US-09-949-016-15519	Sequence 15519, A
C 671	71.5	9.8	601	4	US-09-949-016-59046	Sequence 59046, A	C 744	71.5	9.8	19210	4	US-09-949-016-12129	Sequence 12129, A
C 672	71.5	9.8	601	4	US-09-949-016-164076	Sequence 164076, A	C 745	71.5	9.8	20250	4	US-09-902-540-1213	Sequence 1213, Ap
C 673	71.5	9.8	601	4	US-09-949-016-178693	Sequence 178693, A	C 746	71.5	9.8	21978	4	US-09-949-016-16646	Sequence 16646, A
C 674	71.5	9.8	678	4	US-09-902-540-5436	Sequence 5436, Ap	C 747	71.5	9.8	22906	4	US-09-949-016-16471	Sequence 16471, A
C 675	71.5	9.8	732	4	US-09-252-991A-2440	Sequence 2440, Ap	C 748	71.5	9.8	23051	4	US-09-949-016-16922	Sequence 16922, A
C 676	71.5	9.8	789	4	US-10-000-489-67	Sequence 67, Appl	C 749	71.5	9.8	23172	4	US-09-949-016-15161	Sequence 15161, A
C 677	71.5	9.8	963	4	US-09-902-540-4297	Sequence 4297, Ap	C 750	71.5	9.8	23825	4	US-09-949-016-13936	Sequence 13936, A
C 678	71.5	9.8	1083	4	US-09-252-991A-2517	Sequence 2517, Ap	C 751	71.5	9.8	24546	4	US-09-949-016-16638	Sequence 16638, A
C 679	71.5	9.8	1140	4	US-09-252-991A-14999	Sequence 14999, A	C 752	71.5	9.8	26896	4	US-09-949-016-16800	Sequence 16800, A
C 680	71.5	9.8	1424	4	US-09-252-991A-14749	Sequence 14749, A	C 753	71.5	9.8	28809	4	US-09-949-016-12825	Sequence 12825, A
C 681	71.5	9.8	1431	4	US-09-252-991A-2397	Sequence 2397, Ap	C 754	71.5	9.8	29357	4	US-09-949-016-16676	Sequence 16676, A
C 682	71.5	9.8	1488	4	US-09-794-960-3	Sequence 14879, A	C 755	71.5	9.8	30001	1	US-08-125-468-1	Sequence 1, Appl
C 683	71.5	9.8	1554	4	US-09-794-960-3	Sequence 3, Appl	C 756	71.5	9.8	30001	2	US-08-474-933-1	Sequence 1, Appl
C 684	71.5	9.8	1896	3	US-09-414-453A-24	Sequence 24, Appl	C 757	71.5	9.8	31300	4	US-09-949-016-16967	Sequence 16967, A
C 685	71.5	9.8	1896	3	US-09-414-453A-24	Sequence 24, Appl	C 758	71.5	9.8	33675	4	US-09-949-016-13505	Sequence 13505, A
C 686	71.5	9.8	2001	3	US-09-422-869-7	Sequence 7, Appl	C 759	71.5	9.8	36302	4	US-09-949-016-11998	Sequence 11998, A
C 687	71.5	9.8	2007	4	US-09-252-991A-5770	Sequence 5770, Ap	C 760	71.5	9.8	36302	4	US-09-949-016-13891	Sequence 13891, A
C 688	71.5	9.8	2094	4	US-09-252-991A-7438	Sequence 7438, Ap	C 761	71.5	9.8	36519	3	US-08-923-137-2	Sequence 2, Appl
C 689	71.5	9.8	2170	3	US-09-345-468-11	Sequence 11, Appl	C 762	71.5	9.8	41612	4	US-09-949-016-12769	Sequence 12769, A
C 690	71.5	9.8	2170	3	US-09-414-453A-11	Sequence 11, Appl	C 763	71.5	9.8	41639	4	US-09-949-016-12773	Sequence 12773, A
C 691	71.5	9.8	2180	4	US-09-794-960-9	Sequence 9, Appl	C 764	71.5	9.8	41804	4	US-09-949-016-12154	Sequence 12154, A
C 692	71.5	9.8	2204	3	US-09-422-869-9	Sequence 5, Appl	C 765	71.5	9.8	41893	4	US-09-949-016-14161	Sequence 14161, A
C 693	71.5	9.8	2237	3	US-09-422-869-5	Sequence 4056, Ap	C 766	71.5	9.8	51354	4	US-09-902-540-1270	Sequence 1270, Ap
C 694	71.5	9.8	2357	4	US-09-949-016-4056	Sequence 4057, Ap	C 767	71.5	9.8	52072	4	US-09-949-016-16076	Sequence 16076, A
C 695	71.5	9.8	2357	4	US-09-949-016-4057	Sequence 4058, Ap	C 768	71.5	9.8	81681	4	US-09-949-016-13274	Sequence 13274, A
C 696	71.5	9.8	2357	4	US-09-949-016-4058	Sequence 4059, Ap	C 769	71.5	9.8	81681	4	US-09-949-016-13274	Sequence 13274, A
C 697	71.5	9.8	2357	4	US-09-949-016-4059	Sequence 4060, Ap	C 770	71.5	9.8	109159	4	US-09-949-016-14169	Sequence 14169, A
C 698	71.5	9.8	2357	4	US-09-949-016-4060	Sequence 4061, Ap	C 771	71.5	9.8	109159	4	US-09-949-016-14170	Sequence 14170, A
C 699	71.5	9.8	2357	4	US-09-949-016-4061	Sequence 13, Appl	C 772	71.5	9.8	154746	4	US-09-827-688-8	Sequence 8, Appl
C 700	71.5	9.8	2455	3	US-09-422-869-11	Sequence 11, Appl	C 773	71.5	9.8	154746	4	US-09-949-016-14033	Sequence 14033, A
C 701	71.5	9.8	2516	3	US-09-949-016-3050	Sequence 3050, Ap	C 774	71.5	9.8	828152	4	US-09-949-016-12777	Sequence 12777, A
C 702	71.5	9.8	2608	4	US-09-949-016-3051	Sequence 3051, Ap	C 775	71.5	9.8	828152	4	US-09-949-016-53039	Sequence 53039, A
C 703	71.5	9.8	2608	4	US-09-949-016-3051	Sequence 3052, Ap	C 776	71.5	9.8	601	4	US-09-949-016-93956	Sequence 93956, A
C 704	71.5	9.8	2608	4	US-09-949-016-3052	Sequence 3053, Ap	C 777	71.5	9.8	601	4	US-09-949-016-138264	Sequence 138264, A
C 705	71.5	9.8	2608	4	US-09-949-016-3053	Sequence 3054, Ap	C 778	71.5	9.8	601	4	US-09-949-016-150574	Sequence 150574, A
C 706	71.5	9.8	2608	4	US-09-949-016-3054	Sequence 3055, Ap	C 779	71.5	9.8	601	4	US-09-949-016-161247	Sequence 161247, A
C 707	71.5	9.8	2620	3	US-09-422-869-3	Sequence 3, Appl	C 780	71.5	9.8	687	4	US-09-252-991A-11810	Sequence 11810, A
C 708	71.5	9.8	2669	4	US-09-949-016-3055	Sequence 3056, Ap	C 781	71.5	9.8	801	2	US-08-770-379-16	Sequence 16, Appl
C 709	71.5	9.8	2669	4	US-09-949-016-3056	Sequence 3057, Ap	C 782	71.5	9.8	801	3	US-08-757-669A-16	Sequence 16, Appl
C 710	71.5	9.8	2669	4	US-09-949-016-3057	Sequence 3058, Ap	C 783	71.5	9.8	801	3	US-09-230-371A-16	Sequence 16, Appl
C 711	71.5	9.8	2669	4	US-09-949-016-3058	Sequence 3059, Ap	C 784	71.5	9.8	867	4	US-09-252-991A-11105	Sequence 11105, A
C 712	71.5	9.8	2669	4	US-09-949-016-3059	Sequence 3060, Ap	C 785	71.5	9.8	940	4	US-09-270-767-12105	Sequence 12105, A
C 713	71.5	9.8	2669	4	US-09-949-016-3060	Sequence 3061, Ap	C 786	71.5	9.8	1020	4	US-09-252-991A-11162	Sequence 11162, A
C 714	71.5	9.8	3012	4	US-09-252-991A-7498	Sequence 7498, Ap	C 787	71.5	9.8	1065	2	US-08-475-634D-18	Sequence 18, Appl
C 715	71.5	9.8	3139	4	US-09-949-016-303	Sequence 303, App	C 788	71.5	9.8	1116	4	US-09-902-540-9445	Sequence 9445, Ap
C 716	71.5	9.8	3141	4	US-09-949-016-4130	Sequence 4130, Ap	C 789	71.5	9.8	1124	4	US-09-461-912A-26	Sequence 26, Appl
C 717	71.5	9.8	3167	4	US-09-949-016-3734	Sequence 3734, Ap	C 790	71.5	9.8	1146	4	US-09-721-870-27	Sequence 27, Appl
C 718	71.5	9.8	3167	4	US-09-949-016-3735	Sequence 3735, Ap	C 791	71.5	9.8	1152	4	US-09-252-991A-14781	Sequence 14781, A
C 719	71.5	9.8	3168	4	US-09-774-528-409	Sequence 409, App	C 792	71.5	9.8	1155	1	US-08-002-024B-7	Sequence 7, Appl
C 720	71.5	9.8	3786	4	US-09-919-039-351	Sequence 44, Appl	C 793	71.5	9.8	1233	4	US-09-252-991A-9880	Sequence 9880, Ap
C 721	71.5	9.8	4104	4	US-09-614-221A-44	Sequence 840, App	C 794	71.5	9.8	1241	4	US-09-016-434-1194	Sequence 1194, Ap
C 722	71.5	9.8	4758	4	US-10-144-198-9	Sequence 9, Appl	C 795	71.5	9.8	1340	4	US-09-902-540-9297	Sequence 9297, Ap
C 723	71.5	9.8	4891	4	US-09-919-497-35	Sequence 35, Appl	C 796	71.5	9.8	1341	4	US-09-902-540-9297	Sequence 21, Appl
C 724	71.5	9.8	4898	4	US-09-023-655-1426	Sequence 1426, Ap	C 797	71.5	9.8	1359	4	US-09-010-147B-21	Sequence 21, Appl
C 725	71.5	9.8	5102	4	US-09-919-437-8	Sequence 8, Appl	C 798	71.5	9.8	1410	4	US-09-489-039A-3382	Sequence 3382, Ap
C 726	71.5	9.8	5816	4	US-09-949-016-16900	Sequence 16900, A	C 799	71.5	9.8	1413	4	US-09-252-991A-9887	Sequence 9887, Ap
C 727	71.5	9.8	6063	1	US-08-195-744-4	Sequence 4, Appl	C 800	71.5	9.8	1425	4	US-09-252-991A-11513	Sequence 11513, A
C 728	71.5	9.8	6063	2	US-08-788-279-4	Sequence 4, Appl	C 801	71.5	9.8	1485	4	US-09-902-540-2554	Sequence 2554, Ap
C 729	71.5	9.8	6063	2	US-09-902-540-5649	Sequence 5649, Ap	C 802	71.5	9.8	1491	4	US-09-252-991A-14836	Sequence 14836, A
C 730	71.5	9.8	6267	4	US-09-949-016-15455	Sequence 15455, A	C 803	71.5	9.8	1512	4	US-09-902-540-4044	Sequence 4044, A
C 731	71.5	9.8	8671	4	US-09-949-016-14609	Sequence 14609, A	C 804	71.5	9.8	1671	4	US-09-902-540-4080	Sequence 4080, Ap
C 732	71.5	9.8	9364	4	US-09-949-016-16777	Sequence 16777, A	C 805	71.5	9.8	1677	4	US-09-252-991A-9102	Sequence 9102, Ap
C 733	71.5	9.8	9568	4	US-09-949-016-17571	Sequence 17571, A	C 806	71.5	9.8	1686	4	US-09-902-540-9105	Sequence 9105, Ap
C 734	71.5	9.8	9568	4	US-09-949-016-16843	Sequence 16843, A	C 807	71.5	9.8	1703	4	US-09-919-039-172	Sequence 172, Ap
C 735	71.5	9.8	12567	4	US-09-949-016-16972	Sequence 61, Appl	C 808	71.5	9.8	1738	1	US-08-334-698-3	Sequence 3, Appl
C 736	71.5	9.8	13187	3	US-09-422-936-61	Sequence 61, Appl	C 809	71.5	9.8	1738	1	US-08-228-932-3	Sequence 3, Appl
C 737	71.5	9.8	14340	4	US-09-949-016-16972	Sequence 16972, A	C 810	71.5	9.8	1738	1	US-08-468-939-3	Sequence 3, Appl
C 738	71.5	9.8	15572	4	US-09-902-540-1131	Sequence 1131, Ap	C 811	71.5	9.8	1738	2	US-08-406-855A-3	Sequence 3, Appl
C 739	71.5	9.8	15722	4	US-09-949-016-16709	Sequence 16709, A	C 812	71.5	9.8	1738	2	US-08-722-190-3	Sequence 3, Appl
C 740	71.5	9.8	15775	4	US-09-949-016-16550	Sequence 16550, A	C 813	71.5	9.8	1738	3	US-08-244-354-3	Sequence 3, Appl
C 741	71.5	9.8	17425	3	US-09-511-625B-5	Sequence 5, Appl	C 814	71.5	9.8	1738	3	US-09-206-899-3	Sequence 3, Appl
C 742	71.5	9.8	17488	4	US-09-949-016-15574	Sequence 15574, A	C 815	71.5	9.8	1738	3	US-09-444-783-3	Sequence 3, Appl

816	71	9.7	1738	4	US-09-016-434-1402	Sequence 1402, Ap	889	71	9.7	76610	4	US-09-949-016-15521	Sequence 15521, A
817	71	9.7	1738	4	US-09-444-783-3	Sequence 3, Appli	c 890	71	9.7	81681	4	US-09-949-016-13274	Sequence 13274, A
818	71	9.7	1738	5	PCT-US95-04203-3	Sequence 3, Appli	c 891	71	9.7	81927	4	US-09-949-016-15623	Sequence 15623, A
c 819	71	9.7	1752	3	US-09-360-779-1	Sequence 1, Appli	892	71	9.7	87690	4	US-09-949-016-14953	Sequence 14953, A
c 820	71	9.7	1752	3	US-09-435-335-1	Sequence 1, Appli	893	71	9.7	101128	4	US-09-949-016-14933	Sequence 14933, A
821	71	9.7	1800	4	US-09-902-540-6154	Sequence 6154, Ap	894	71	9.7	104077	4	US-09-949-016-13593	Sequence 13593, A
c 822	71	9.7	1857	4	US-09-023-655-902	Sequence 902, App	c 895	71	9.7	129908	4	US-09-585-858-1	Sequence 1, Appli
c 823	71	9.7	1857	4	US-09-949-016-120	Sequence 120, App	c 896	71	9.7	129908	4	US-10-270-878-1	Sequence 1, Appli
824	71	9.7	1900	1	US-08-153-848-18	Sequence 18, Appl	897	71	9.7	136058	4	US-09-949-016-12565	Sequence 12565, A
825	71	9.7	1900	3	US-09-239-843A-18	Sequence 18, Appl	898	71	9.7	136480	4	US-09-949-016-17064	Sequence 17064, A
826	71	9.7	1900	3	US-09-088-337B-18	Sequence 18, Appl	899	71	9.7	153642	4	US-09-949-016-12174	Sequence 12174, A
827	71	9.7	1900	5	PCT-US93-11153-18	Sequence 18, Appl	900	71	9.7	153643	4	US-09-949-016-15635	Sequence 15635, A
828	71	9.7	2015	4	US-09-870-089B-1	Sequence 1, Appli	901	71	9.7	200663	4	US-09-949-016-12569	Sequence 12569, A
829	71	9.7	2018	4	US-09-949-016-5052	Sequence 5052, Ap	902	71	9.7	203093	4	US-09-949-016-14445	Sequence 14445, A
830	71	9.7	2019	4	US-09-919-039-173	Sequence 173, App	903	71	9.7	254964	4	US-09-949-016-12583	Sequence 12583, A
831	71	9.7	2160	1	US-08-153-848-14	Sequence 14, Appl	904	71	9.7	254964	4	US-09-949-016-17392	Sequence 17392, A
832	71	9.7	2160	3	US-09-299-843A-14	Sequence 14, Appl	c 905	70.5	9.7	381	2	US-08-621-751A-5	Sequence 5, Appli
833	71	9.7	2160	3	US-09-088-337B-14	Sequence 14, Appl	906	70.5	9.7	390	3	US-09-134-001C-635	Sequence 635, App
834	71	9.7	2160	5	PCT-US93-11153-14	Sequence 14, Appl	c 907	70.5	9.7	402	4	US-09-902-540-8782	Sequence 8782, Ap
835	71	9.7	2187	4	US-09-894-844-9	Sequence 9, Appli	c 908	70.5	9.7	411	4	US-09-513-999C-863	Sequence 863, App
c 836	71	9.7	2217	4	US-09-252-991A-14614	Sequence 14614, A	c 909	70.5	9.7	441	4	US-09-513-999C-2227	Sequence 2227, Ap
c 837	71	9.7	2291	4	US-09-976-594-385	Sequence 385, App	910	70.5	9.7	513	3	US-09-134-001C-647	Sequence 647, App
c 838	71	9.7	2301	3	US-09-085-199B-8	Sequence 8, Appli	911	70.5	9.7	535	3	US-09-094-287-8	Sequence 8, Appli
839	71	9.7	3842	4	US-09-976-594-279	Sequence 279, App	c 912	70.5	9.7	542	4	US-09-499-522-11	Sequence 11, Appl
840	71	9.7	4134	3	US-09-162-021B-1	Sequence 1, Appli	c 913	70.5	9.7	585	3	US-08-134-001C-726	Sequence 726, App
841	71	9.7	4134	3	US-09-687-477-17	Sequence 17, Appl	c 914	70.5	9.7	601	4	US-09-949-016-22390	Sequence 22390, A
842	71	9.7	4134	4	US-09-687-476-17	Sequence 17, Appl	c 915	70.5	9.7	601	4	US-09-949-016-25464	Sequence 25464, A
843	71	9.7	4134	4	US-09-687-372-17	Sequence 17, Appl	c 916	70.5	9.7	601	4	US-09-949-016-25465	Sequence 25465, A
844	71	9.7	4134	4	US-09-975-553-17	Sequence 17, Appl	c 917	70.5	9.7	601	4	US-09-949-016-25466	Sequence 25466, A
845	71	9.7	4134	4	US-10-270-795-17	Sequence 17, Appl	c 918	70.5	9.7	601	4	US-09-949-016-25467	Sequence 25467, A
846	71	9.7	4134	4	US-10-270-876-17	Sequence 17, Appl	c 919	70.5	9.7	601	4	US-08-949-016-73634	Sequence 73634, A
847	71	9.7	4134	4	US-10-268-051-7	Sequence 7, Appli	c 920	70.5	9.7	601	4	US-09-949-016-73635	Sequence 73635, A
c 848	71	9.7	4143	3	US-08-826-134-6	Sequence 6, Appli	c 921	70.5	9.7	601	4	US-09-949-016-73636	Sequence 73636, A
c 849	71	9.7	4326	4	US-09-252-991A-11572	Sequence 11572, A	c 922	70.5	9.7	601	4	US-09-949-016-73637	Sequence 73637, A
850	71	9.7	4473	4	US-09-365-486A-12	Sequence 12, Appl	c 923	70.5	9.7	601	4	US-09-949-016-138239	Sequence 138239, A
c 851	71	9.7	5057	2	US-08-880-342-12	Sequence 12, Appl	c 924	70.5	9.7	601	4	US-09-949-016-154195	Sequence 154195, A
c 852	71	9.7	5057	3	US-07-642-002-1	Sequence 1, Appli	c 925	70.5	9.7	601	4	US-09-949-016-176555	Sequence 176555, A
c 853	71	9.7	5108	1	US-09-949-016-16794	Sequence 16794, A	c 926	70.5	9.7	601	4	US-09-949-016-193826	Sequence 193826, A
854	71	9.7	6119	4	US-09-774-528-114	Sequence 114, App	927	70.5	9.7	601	4	US-09-949-016-193853	Sequence 193853, A
855	71	9.7	6222	4	US-09-902-540-1046	Sequence 1046, Ap	928	70.5	9.7	810	3	US-09-134-001C-624	Sequence 624, App
856	71	9.7	7785	4	US-09-949-016-12771	Sequence 12771, A	c 929	70.5	9.7	819	4	US-09-252-991A-5689	Sequence 5689, Ap
c 857	71	9.7	7785	4	US-09-949-016-13824	Sequence 13824, A	c 930	70.5	9.7	882	4	US-09-949-016-2156	Sequence 2156, Ap
c 858	71	9.7	10318	4	US-09-902-540-973	Sequence 973, App	931	70.5	9.7	933	4	US-09-489-039A-5062	Sequence 5062, Ap
c 859	71	9.7	11301	4	US-09-902-540-1046	Sequence 1046, Ap	932	70.5	9.7	1038	4	US-09-270-767-12760	Sequence 12760, A
860	71	9.7	12309	4	US-09-949-016-13709	Sequence 13709, A	933	70.5	9.7	1185	4	US-09-252-991A-6861	Sequence 6861, Ap
861	71	9.7	12309	4	US-09-902-540-993	Sequence 993, App	934	70.5	9.7	1185	4	US-09-149-476-110	Sequence 110, App
862	71	9.7	12624	4	US-09-902-540-1076	Sequence 1076, Ap	935	70.5	9.7	1268	3	US-09-910-973-12	Sequence 12, Appl
c 863	71	9.7	13904	4	US-09-902-540-1076	Sequence 1076, Ap	c 936	70.5	9.7	1268	3	US-09-499-227-12	Sequence 12, Appl
c 864	71	9.7	15377	4	US-09-902-540-1116	Sequence 1116, Ap	c 937	70.5	9.7	1385	4	US-09-252-991A-6934	Sequence 6934, Ap
c 865	71	9.7	16389	3	US-09-741-154-3	Sequence 3, Appli	c 938	70.5	9.7	1524	4	US-09-270-767-12760	Sequence 12760, A
c 866	71	9.7	16963	4	US-09-949-016-15592	Sequence 15592, A	c 939	70.5	9.7	1751	3	US-09-252-991A-6861	Sequence 6861, Ap
867	71	9.7	17606	3	US-08-943-731-4	Sequence 4, Appli	940	70.5	9.7	1758	4	US-09-489-039A-3108	Sequence 3108, Ap
868	71	9.7	20017	4	US-09-949-016-17147	Sequence 17147, A	941	70.5	9.7	1947	2	US-08-989-925-2	Sequence 2, Appli
c 869	71	9.7	20721	4	US-09-949-016-16357	Sequence 16257, A	942	70.5	9.7	1965	3	US-09-178-252-26	Sequence 26, Appl
c 870	71	9.7	24029	4	US-09-949-016-14189	Sequence 14189, A	943	70.5	9.7	1965	3	US-09-826-660-26	Sequence 26, Appl
c 871	71	9.7	24602	4	US-09-902-540-1202	Sequence 1202, Ap	c 944	70.5	9.7	2087	4	US-09-949-016-4892	Sequence 4892, Ap
c 872	71	9.7	24986	4	US-09-902-540-1200	Sequence 1200, Ap	c 945	70.5	9.7	2087	4	US-09-949-016-4893	Sequence 4893, Ap
c 873	71	9.7	28374	4	US-09-949-016-17508	Sequence 17508, A	946	70.5	9.7	2467	4	US-09-799-451-628	Sequence 628, App
c 874	71	9.7	29598	3	US-09-341-587-6	Sequence 6, Appli	c 947	70.5	9.7	2629	2	US-09-012-030-1	Sequence 1, Appli
c 875	71	9.7	31321	4	US-09-949-016-14319	Sequence 14319, A	c 948	70.5	9.7	2629	2	US-08-590-454-1	Sequence 1, Appli
c 876	71	9.7	31391	4	US-09-949-016-14319	Sequence 14319, A	c 949	70.5	9.7	2629	2	US-09-949-016-2167	Sequence 2167, Ap
c 877	71	9.7	35966	4	US-09-949-016-12016	Sequence 12016, A	c 950	70.5	9.7	2941	4	US-09-081-385-6	Sequence 6, Appli
c 878	71	9.7	35967	4	US-09-949-016-16626	Sequence 16626, A	c 951	70.5	9.7	3117	4	US-08-574-959A-8	Sequence 8, Appli
c 879	71	9.7	36028	4	US-09-949-016-14190	Sequence 14190, A	c 952	70.5	9.7	3211	2	US-09-357-014-8	Sequence 8, Appli
c 880	71	9.7	36611	4	US-09-949-016-17287	Sequence 17287, A	c 953	70.5	9.7	3552	3	US-09-134-001C-693	Sequence 693, App
c 881	71	9.7	41927	4	US-09-902-540-1268	Sequence 1268, Ap	c 954	70.5	9.7	3901	2	US-08-574-959A-6	Sequence 6, Appli
c 882	71	9.7	55703	4	US-09-949-016-12007	Sequence 12007, A	c 955	70.5	9.7	3901	3	US-09-357-014-6	Sequence 6, Appli
883	71	9.7	55703	4	US-09-949-016-16781	Sequence 16781, A	c 956	70.5	9.7	4180	4	US-09-890-613A-4	Sequence 4, Appli
c 884	71	9.7	59977	4	US-09-949-016-12259	Sequence 12259, A	c 957	70.5	9.7	4257	2	US-08-690-473-1	Sequence 1, Appli
885	71	9.7	59978	4	US-09-949-016-15397	Sequence 15397, A	958	70.5	9.7	4257	3	US-09-259-821A-1	Sequence 1, Appli
886	71	9.7	65042	3	US-09-784-316-3	Sequence 3, Appli	959	70.5	9.7	4257	3	US-08-843-659-1	Sequence 1, Appli
c 887	71	9.7	65042	4	US-10-229-124-3	Sequence 3, Appli	c 960	70.5	9.7	4257	4	US-09-825-288A-1	Sequence 1, Appli
c 888	71	9.7	72928	3	US-09-009-913-1	Sequence 1, Appli	c 961	70.5	9.7	5992	4	US-09-949-016-546	Sequence 546, App

C 962	70.5	9.7	7170	4	US-09-902-540-933	Sequence 933, App	Sequence 933, App	c1035	70	9.6	1176	4	US-09-902-540-6438	Sequence 6438, App
C 963	70.5	9.7	7424	4	US-09-949-016-13898	Sequence 13898, A	Sequence 13898, A	1036	70	9.6	1191	4	US-09-799-451-859	Sequence 859, App
C 964	70.5	9.7	7853	4	US-09-949-016-12034	Sequence 12034, A	Sequence 12034, A	1037	70	9.6	1195	4	US-09-949-016-5557	Sequence 5557, App
C 965	70.5	9.7	7853	4	US-09-949-016-14225	Sequence 14225, A	Sequence 14225, A	c1038	70	9.6	1200	4	US-09-050-739-91	Sequence 91, Appl
C 966	70.5	9.7	10541	4	US-09-949-016-19558	Sequence 19558, A	Sequence 19558, A	1039	70	9.6	1218	4	US-09-252-991A-11002	Sequence 11002, A
C 967	70.5	9.7	11563	4	US-09-902-540-1019	Sequence 1019, App	Sequence 1019, App	1040	70	9.6	1230	4	US-09-902-540-4296	Sequence 4296, App
C 968	70.5	9.7	11348	4	US-09-949-016-13023	Sequence 13023, A	Sequence 13023, A	c1041	70	9.6	1429	4	US-09-934-868-81	Sequence 81, Appl
C 969	70.5	9.7	16662	4	US-09-949-016-16850	Sequence 16850, A	Sequence 16850, A	1042	70	9.6	1434	4	US-09-252-991A-7601	Sequence 7601, App
C 970	70.5	9.7	17000	4	US-09-691-220-3	Sequence 96, Appl	Sequence 96, Appl	c1043	70	9.6	1616	3	US-08-818-112-112	Sequence 112, App
C 971	70.5	9.7	18331	4	US-09-266-965-96	Sequence 12110, A	Sequence 12110, A	c1044	70	9.6	1616	3	US-08-818-111-107	Sequence 107, App
C 972	70.5	9.7	19152	4	US-09-949-016-15795	Sequence 15795, A	Sequence 15795, A	c1045	70	9.6	1616	3	US-09-072-596-107	Sequence 107, App
C 973	70.5	9.7	19153	4	US-09-949-016-13147	Sequence 13147, A	Sequence 13147, A	c1046	70	9.6	1616	3	US-09-072-967-112	Sequence 112, App
C 974	70.5	9.7	20026	4	US-09-949-016-16773	Sequence 16773, A	Sequence 16773, A	c1047	70	9.6	1616	3	US-09-252-991A-7950	Sequence 7950, App
C 975	70.5	9.7	23901	4	US-09-949-016-16005	Sequence 16005, A	Sequence 16005, A	c1048	70	9.6	1626	4	US-09-902-540-349	Sequence 349, App
C 976	70.5	9.7	24508	4	US-09-949-016-11864	Sequence 11864, A	Sequence 11864, A	1049	70	9.6	1638	4	US-09-976-594-415	Sequence 415, App
C 977	70.5	9.7	24519	4	US-09-949-016-15476	Sequence 15476, A	Sequence 15476, A	1050	70	9.6	1811	4	US-09-249-585A-2	Sequence 2, Appli
C 978	70.5	9.7	25419	4	US-09-949-016-15477	Sequence 15477, A	Sequence 15477, A	c1051	70	9.6	1926	4	US-09-410-399-3	Sequence 3, Appli
C 979	70.5	9.7	25419	4	US-09-949-016-12877	Sequence 12877, A	Sequence 12877, A	c1052	70	9.6	1931	4	US-09-949-016-825	Sequence 825, App
C 980	70.5	9.7	27380	4	US-09-949-016-14393	Sequence 14393, A	Sequence 14393, A	1053	70	9.6	1965	4	US-09-902-540-7293	Sequence 7293, App
C 981	70.5	9.7	27383	4	US-09-949-016-14393	Sequence 14393, A	Sequence 14393, A	c1054	70	9.6	2025	4	US-09-252-991A-10293	Sequence 10293, A
C 982	70.5	9.7	30528	4	US-09-949-016-14949	Sequence 14949, A	Sequence 14949, A	c1055	70	9.6	2094	4	US-09-252-991A-10564	Sequence 10564, A
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C 984	70.5	9.7	32584	4	US-09-949-016-16766	Sequence 16766, A	Sequence 16766, A	1057	70	9.6	2286	4	US-09-620-312D-49	Sequence 49, Appl
C 985	70.5	9.7	39489	4	US-09-949-016-13886	Sequence 13886, A	Sequence 13886, A	c1058	70	9.6	2286	4	US-09-050-863-2	Sequence 2, Appli
C 986	70.5	9.7	49603	4	US-09-949-016-13706	Sequence 13706, A	Sequence 13706, A	c1059	70	9.6	2580	3	US-09-359-081-2	Sequence 3, Appli
C 987	70.5	9.7	53500	4	US-09-266-965-76	Sequence 76, Appl	Sequence 76, Appl	c1060	70	9.6	2580	3	US-09-310-463-3	Sequence 3, Appli
C 988	70.5	9.7	53722	4	US-09-949-016-12077	Sequence 12077, A	Sequence 12077, A	1061	70	9.6	2777	3	US-09-902-540-689	Sequence 689, App
C 989	70.5	9.7	60917	4	US-09-949-016-12638	Sequence 12638, A	Sequence 12638, A	1062	70	9.6	2777	3	US-09-949-016-16896	Sequence 16896, A
C 990	70.5	9.7	60917	4	US-09-949-016-16057	Sequence 16057, A	Sequence 16057, A	1063	70	9.6	3335	4	US-09-949-016-12159	Sequence 12159, A
C 991	70.5	9.7	64813	4	US-09-949-016-11957	Sequence 11957, A	Sequence 11957, A	1064	70	9.6	3456	4	US-09-949-016-16479	Sequence 16479, A
C 992	70.5	9.7	64813	4	US-09-949-016-11957	Sequence 11957, A	Sequence 11957, A	c1065	70	9.6	3603	4	US-09-023-905A-5	Sequence 5, Appli
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C 995	70.5	9.7	72704	4	US-09-949-016-15601	Sequence 15601, A	Sequence 15601, A	1068	70	9.6	3673	4	US-09-902-540-11	Sequence 11, Appl
C 996	70.5	9.7	72704	4	US-09-949-016-16339	Sequence 16339, A	Sequence 16339, A	1069	70	9.6	4040	4	US-09-949-016-449	Sequence 449, App
C 997	70.5	9.7	79578	4	US-09-949-016-16807	Sequence 16807, A	Sequence 16807, A	1070	70	9.6	4382	4	US-09-023-905A-3	Sequence 3, Appli
C 998	70.5	9.7	87752	4	US-09-949-016-16424	Sequence 16424, A	Sequence 16424, A	1071	70	9.6	4488	3	US-08-406-030A-3	Sequence 3, Appli
C 999	70.5	9.7	12465	4	US-09-949-016-13453	Sequence 13453, A	Sequence 13453, A	1072	70	9.6	4808	4	US-09-902-540-689	Sequence 689, App
C 1000	70.5	9.7	12465	4	US-09-949-016-13453	Sequence 13453, A	Sequence 13453, A	1073	70	9.6	5452	2	US-09-130-114-1	Sequence 1, Appli
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C 1002	70.5	9.7	146428	4	US-09-949-016-12620	Sequence 12620, A	Sequence 12620, A	1074	70	9.6	7235	4	US-09-949-016-12159	Sequence 12159, A
C 1003	70.5	9.7	146428	4	US-09-949-016-12620	Sequence 12620, A	Sequence 12620, A	1075	70	9.6	7235	4	US-09-949-016-16479	Sequence 16479, A
C 1004	70.5	9.7	156324	4	US-09-949-016-13749	Sequence 13749, A	Sequence 13749, A	1076	70	9.6	7815	4	US-09-949-016-3629	Sequence 3629, App
C 1005	70.5	9.7	157866	4	US-09-949-016-12982	Sequence 12982, A	Sequence 12982, A	1077	70	9.6	7815	4	US-09-949-016-3630	Sequence 3630, App
C 1006	70.5	9.7	157866	4	US-09-949-016-12982	Sequence 12982, A	Sequence 12982, A	c1078	70	9.6	8201	1	US-08-253-155A-9	Sequence 9, Appli
C 1007	70.5	9.7	157866	4	US-09-949-016-12982	Sequence 12982, A	Sequence 12982, A	1079	70	9.6	8705	4	US-09-647-344A-14	Sequence 14, Appl
C 1008	70.5	9.7	190078	4	US-09-949-016-12984	Sequence 12984, A	Sequence 12984, A	c1080	70	9.6	9600	3	US-08-910-647-1	Sequence 1, Appli
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C 1017	70.5	9.7	385136	4	US-09-949-016-11774	Sequence 11774, A	Sequence 11774, A	1088	70	9.6	12329	4	US-09-902-540-1079	Sequence 1079, App
C 1018	70.5	9.7	385136	4	US-09-949-016-11774	Sequence 11774, A	Sequence 11774, A	1089	70	9.6	12329	4	US-09-902-540-1029	Sequence 1029, App
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C 1022	70.5	9.6	275	4	US-09-513-999C-29130	Sequence 29130, A	Sequence 29130, A	1093	70	9.6	13987	2	US-08-804-227C-13	Sequence 13, Appl
C 1023	70.5	9.6	412	4	US-09-621-976-421	Sequence 421, App	Sequence 421, App	c1094	70	9.6	15378	3	US-08-785-420-1	Sequence 1, Appli
C 1024	70.5	9.6	504	4	US-09-902-540-6264	Sequence 6264, App	Sequence 6264, App	1095	70	9.6	15861	4	US-09-949-016-17604	Sequence 17604, A
C 1025	70.5	9.6	594	4	US-09-949-016-34566	Sequence 34566, App	Sequence 34566, App	c1096	70	9.6	16080	4	US-09-724-566A-48	Sequence 48, Appl
C 1026	70.5	9.6	601	4	US-09-949-016-65799	Sequence 65799, A	Sequence 65799, A	1097	70	9.6	16080	4	US-09-471-669A-48	Sequence 48, Appl
C 1027	70.5	9.6	601	4	US-09-949-016-152802	Sequence 152802, A	Sequence 152802, A	c1098	70	9.6	18326	4	US-09-949-016-15825	Sequence 15825, A
C 1028	70.5	9.6	601	4	US-09-949-016-176097	Sequence 176097, A	Sequence 176097, A	1099	70	9.6	18472	4	US-09-949-016-15925	Sequence 15925, A
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C 1032	70.5	9.6	710	4	US-09-949-016-5369	Sequence 5369, App	Sequence 5369, App	c1103	70	9.6	22170	4	US-09-949-016-13669	Sequence 13669, A
C 1033	70.5	9.6	969	4	US									

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1109	70	9.6	37861	4	US-09-949-016-16872	Sequence 16872, A	1182	69.5	9.5	2062	2	US-08-465-982-24	Sequence 24, Appl
1110	70	9.6	44377	2	US-08-804-227C-7	Sequence 7, Appl	1183	69.5	9.5	2087	4	US-09-023-655-1330	Sequence 1330, Ap
1111	70	9.6	44377	2	US-08-804-198-1	Sequence 1, Appl	1184	69.5	9.5	2112	3	US-09-023-655-1331	Sequence 1331, Ap
1112	70	9.6	49136	3	US-09-422-869-1	Sequence 1, Appl	1185	69.5	9.5	2161	3	US-09-106-038A-1	Sequence 1, Appl
1113	70	9.6	53394	4	US-09-949-016-15817	Sequence 15817, A	1186	69.5	9.5	2151	3	US-09-505-250-3	Sequence 3, Appl
1114	70	9.6	53394	4	US-09-949-016-15818	Sequence 15818, A	1187	69.5	9.5	2175	1	US-08-321-668-1	Sequence 1, Appl
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1119	70	9.6	54484	4	US-09-902-540-1272	Sequence 1272, Ap	1192	69.5	9.5	2224	4	US-09-620-312D-579	Sequence 579, App
1120	70	9.6	54711	4	US-09-949-016-17489	Sequence 17489, A	1193	69.5	9.5	2269	3	US-09-394-645-1	Sequence 1, Appl
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1123	70	9.6	60589	4	US-09-949-016-17070	Sequence 17070, A	1196	69.5	9.5	2448	4	US-09-620-312D-64	Sequence 64, Appl
1124	70	9.6	60592	4	US-09-949-016-13741	Sequence 13741, A	1197	69.5	9.5	2607	4	US-09-774-528-187	Sequence 187, App
1125	70	9.6	61399	4	US-09-949-016-14386	Sequence 14386, A	1198	69.5	9.5	2698	3	US-08-458-434A-3	Sequence 3, Appl
1126	70	9.6	67386	4	US-09-949-016-16519	Sequence 16519, A	1199	69.5	9.5	2874	4	US-09-620-312D-10	Sequence 10, Appl
1127	70	9.6	69263	4	US-09-949-016-12594	Sequence 12594, A	1200	69.5	9.5	3045	4	US-09-620-312D-9	Sequence 9, Appl
1128	70	9.6	69709	4	US-09-949-016-16036	Sequence 16036, A	1201	69.5	9.5	3059	4	US-09-502-540-540	Sequence 540, App
1129	70	9.6	88245	4	US-09-949-016-13835	Sequence 13835, A	1202	69.5	9.5	3069	4	US-09-620-312D-11	Sequence 11, Appl
1130	70	9.6	119762	4	US-09-949-016-17313	Sequence 17313, A	1203	69.5	9.5	3069	4	US-09-620-312D-11	Sequence 11, Appl
1131	70	9.6	129778	4	US-09-949-016-12191	Sequence 12191, A	1204	69.5	9.5	3160	3	US-08-791-115B-2	Sequence 2, Appl
1132	70	9.6	129778	4	US-09-949-016-17075	Sequence 17075, A	1205	69.5	9.5	3160	4	US-09-140-749-1	Sequence 1, Appl
1133	70	9.6	171700	4	US-09-949-016-12276	Sequence 12276, A	1206	69.5	9.5	3660	4	US-09-614-221A-319	Sequence 319, App
1134	70	9.6	171700	4	US-09-949-016-15835	Sequence 15835, A	1207	69.5	9.5	3808	2	US-08-916-917-3	Sequence 3, Appl
1135	70	9.6	231129	4	US-09-949-016-16110	Sequence 16110, A	1208	69.5	9.5	3808	2	US-08-972-631-3	Sequence 3, Appl
1136	70	9.6	266293	4	US-09-949-016-11934	Sequence 11934, A	1209	69.5	9.5	3808	2	US-08-972-629-3	Sequence 3, Appl
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1138	69.5	9.5	601	4	US-09-949-016-18457	Sequence 18457, A	1211	69.5	9.5	3808	3	US-09-225-170-3	Sequence 3, Appl
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1140	69.5	9.5	601	4	US-09-949-016-65973	Sequence 65973, A	1213	69.5	9.5	5394	3	US-08-688-376-1	Sequence 1, Appl
1141	69.5	9.5	601	4	US-09-949-016-163209	Sequence 163209, A	1214	69.5	9.5	5434	2	US-08-841-349-1	Sequence 1, Appl
1142	69.5	9.5	601	4	US-09-949-016-176512	Sequence 176512, A	1215	69.5	9.5	5434	4	US-09-431-184B-1	Sequence 1, Appl
1143	69.5	9.5	601	4	US-09-949-016-186296	Sequence 186296, A	1216	69.5	9.5	5895	4	US-09-302-540-792	Sequence 792, App
1144	69.5	9.5	601	4	US-09-949-016-193827	Sequence 193827, A	1217	69.5	9.5	6047	4	US-09-502-540-758	Sequence 758, App
1145	69.5	9.5	601	4	US-09-949-016-193854	Sequence 193854, A	1218	69.5	9.5	6585	4	US-09-949-016-14770	Sequence 14770, A
1146	69.5	9.5	601	4	US-09-949-016-203340	Sequence 203340, A	1219	69.5	9.5	7901	4	US-09-949-016-11979	Sequence 11979, A
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1148	69.5	9.5	847	3	US-09-360-283-1	Sequence 1, Appl	1221	69.5	9.5	9299	3	US-08-458-434B-7	Sequence 7, Appl
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1150	69.5	9.5	1101	4	US-09-248-796A-2956	Sequence 2956, Ap	1223	69.5	9.5	10236	4	US-09-949-016-12492	Sequence 12492, A
1151	69.5	9.5	1110	4	US-09-902-540-4933	Sequence 4933, Ap	1224	69.5	9.5	10237	4	US-09-949-016-13859	Sequence 13859, A
1152	69.5	9.5	1131	4	US-09-902-540-6735	Sequence 6735, Ap	1225	69.5	9.5	10701	4	US-09-949-016-14375	Sequence 14375, A
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1154	69.5	9.5	1257	4	US-09-140-749-19	Sequence 19, Appl	1227	69.5	9.5	11958	3	US-09-134-246-8	Sequence 8, Appl
1155	69.5	9.5	1410	4	US-09-506-859-14	Sequence 14, Appl	1228	69.5	9.5	11958	4	US-09-664-186-8	Sequence 8, Appl
1156	69.5	9.5	1410	5	PCT-US95-15428-14	Sequence 14, Appl	1229	69.5	9.5	12305	4	US-09-949-016-13096	Sequence 13096, A
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1158	69.5	9.5	1499	3	US-09-300-672-3	Sequence 3, Appl	1231	69.5	9.5	13751	4	US-09-902-540-1099	Sequence 1099, Ap
1159	69.5	9.5	1596	4	US-09-902-540-2351	Sequence 2351, Ap	1232	69.5	9.5	14027	4	US-09-902-540-1033	Sequence 1023, Ap
1160	69.5	9.5	1667	4	US-09-023-655-434	Sequence 434, App	1233	69.5	9.5	14721	4	US-09-949-016-13507	Sequence 13507, A
1161	69.5	9.5	1731	4	US-09-902-540-1920	Sequence 1920, Ap	1234	69.5	9.5	15268	4	US-09-302-540-1142	Sequence 1142, Ap
1162	69.5	9.5	1749	3	US-09-799-451-806	Sequence 806, Appl	1235	69.5	9.5	16387	4	US-09-902-540-1156	Sequence 1156, Ap
1163	69.5	9.5	1796	3	US-09-255-392-1	Sequence 1, Appl	1236	69.5	9.5	17050	4	US-09-949-016-12784	Sequence 12784, A
1164	69.5	9.5	1817	3	US-08-564-496C-14	Sequence 14, Appl	1237	69.5	9.5	17050	4	US-09-949-016-13119	Sequence 13119, A
1165	69.5	9.5	1889	2	US-08-946-241B-1	Sequence 1, Appl	1238	69.5	9.5	17098	4	US-09-949-016-13150	Sequence 13680, A
1166	69.5	9.5	1889	2	US-08-946-241B-8	Sequence 8, Appl	1239	69.5	9.5	28136	4	US-09-949-016-16317	Sequence 16317, A
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1170	69.5	9.5	2005	2	US-08-484-200-1	Sequence 1, Appl	1243	69.5	9.5	40512	4	US-09-949-016-16612	Sequence 16612, A
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1172	69.5	9.5	2005	3	US-08-465-375-1	Sequence 1, Appl	1245	69.5	9.5	42610	4	US-09-949-016-13882	Sequence 13882, A
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1174	69.5	9.5	2005	4	US-10-142-373-1	Sequence 1, Appl	1247	69.5	9.5	42672	4	US-09-949-016-17254	Sequence 17254, A
1175	69.5	9.5	2005	4	US-09-155-252A-1	Sequence 1, Appl	1248	69.5	9.5	43537	4	US-09-949-016-13458	Sequence 13458, A
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1177	69.5	9.5	2058	1	US-08-153-848-6	Sequence 6, Appl	1250	69.5	9.5	43993	4	US-09-949-016-13406	Sequence 13406, A
1178	69.5	9.5	2058	3	US-09-299-843A-6	Sequence 6, Appl	1251	69.5	9.5	49401	4	US-09-949-016-17080	Sequence 17080, A
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1302	69	9.5	912	4	US-09-252-991A-6973	Sequence 6973, Ap	69	9.5	13117	4	US-09-949-016-15804	Sequence 15804, A
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1479	68.5	9.4	1506	3	US-09-158-767-9	Sequence 9, Appli
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US-09-989-732-270 (1-142) x US-09-949-016-12117 (1-10320)

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; Sequence 10, Application US/09967669  
; Patent No. 6692960  
; GENERAL INFORMATION:  
; APPLICANT: Susan M. Bennett  
; TITLE OF INVENTION: ANTISENSE MODULATION OF SPHINGOSINE-1-PHOSPHATE LYASE EXPRESSION  
; FILE REFERENCE: RTS-0259  
; CURRENT APPLICATION NUMBER: US/09/967,669  
; CURRENT FILING DATE: 2001-09-28  
; NUMBER OF SEQ ID NOS: 90  
; SEQ ID NO 10  
; LENGTH: 54945  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-967-669-10  
Alignment Scores:  
Pred. No.: 181 Length: 54945  
Score: 93.50 Matches: 30  
Percent Similarity: 42.39% Conservatives: 9  
Best Local Similarity: 32.61% Mismatches: 40  
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US-09-949-016-16155/c  
; Sequence 16155, Application US/09949016  
; Patent No. 6812339  
; GENERAL INFORMATION:  
; APPLICANT: VENTER, J. Craig et al.  
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED  
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF  
; FILE REFERENCE: CL001307  
; CURRENT APPLICATION NUMBER: US/09/949,016  
; CURRENT FILING DATE: 2000-04-14  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR FILING DATE: 2000-10-20  
; PRIOR FILING DATE: 2000-09-08  
; NUMBER OF SEQ ID NOS: 207012  
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; NAME/KEY: misc feature  
; LOCATION: (1)...(10321)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-949-016-16155  
Alignment Scores:  
Pred. No.: 2,07 Length: 10321  
Score: 101.00 Matches: 43  
Percent Similarity: 41.72% Conservatives: 20  
Best Local Similarity: 28.48% Mismatches: 50  
Query Match: 13.84% Indels: 38  
DB: 4 Gaps: 9  
US-09-989-732-270 (1-142) x US-09-949-016-16155 (1-10321)  
5 LeuLeuPheLeuProLeuPheProValGlnValGlnThrLeuLeuValValLeuLeuGly 24  
1775 CTCCTGACGCTCCCATCTTCCAGATGAAGCA---ACCACAGTGTCTGCTGTCTTGGGC 1719





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; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 16153
; LENGTH: 24070
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16153

Alignment Scores:
Pred. No.: 254 Length: 24070
Score: 87.50 Matches: 42
Percent Similarity: 42.00% Conservative: 21
Best Local Similarity: 28.00% Mismatches: 54
Query Match: 11.99% Indels: 33
DB: 4 Gaps: 8

US-09-989-732-270 (1-142) x US-09-949-016-16153 (1-24070)
QY 1 MetAsnThrTrpLeuLeuPheLeu-----ProLeuPheProValGln 14
Db 10634 CTGTCCCTTGGTGTGTTGGATGTGAGGCTCTGTGGCTGCGCCCTCGTCCCTGTC 10693
QY 15 ValGlnThrLeuLeuValValIleGlyMetLeuValLeuLeuLeuLeuAspPheLeuGly 34
Db 10694 CAGCAGCGCTGCTCTCCCGCTCTCTCCCTCTCTCTCTCTCTCTCTCTCTCTCTCT 10753
QY 35 LeuValHisLeuGlyGlnLeuLeuLeuPheHisIleTyrlLeuSerMetSerPro----- 52
Db 10754 CACCCCAATCTC-----TGCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 10807
QY 53 -----ThrLeuSerProArgSerProGln-----GlyTrpValValArg 65
Db 10808 TCTGTCTCTGTGACCCCGCTCCAGCCAGACCTGTTTCACATTCAGATGGCTGCAAGG 10867
QY 66 AlaAlaHisLeuThrProLeuLeuGluTyrlValProAsnProGlu----- 80
Db 10868 TACTTCGCGCCCTCTCCCGCTCTCCCGCCAGCCAGCCAGCCAGCCAGCCAGCCAGCT 10927
QY 81 -----ProProThrProGlyAla-----ArgValPheValPro 91
Db 10928 TCCTGCGCCATCCCATCACACCCCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT 10987
QY 92 ---ArgValArgMetCysSerGlySerAlaSerProArgSerGluLeuMetAspLysLys 110
Db 10988 TGGGCATTGGGGCTCTGCGCCACCTCACCCCTCTGACAGGCGCTCACTGTGTG---ACTTTG 11044
QY 111 GlyLysSerGlnGluLeuLysSerMet 120
Db 11045 GGCAAGTCCCGCCCTCTGCGCTCAGTT 11074

RESULT 10
US-09-949-016-16153
; Sequence 16153, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
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; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 16515
; LENGTH: 163022
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(163022)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16515

Alignment Scores:
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Score: 87.00 Matches: 39
Percent Similarity: 41.46% Conservative: 12
Best Local Similarity: 31.71% Mismatches: 58
Query Match: 11.92% Indels: 14
DB: 4 Gaps: 4

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Db 128888 CTGAACGGTGGGCTGTCTTTTTCCTGCTCTGATAGTACATATTTGAACAGCATCTGT 128947
QY 21 ValIleIleGlyMetLeuValLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 32
Db 128948 AAAGAGGTAGGACTGAGAAGTTGGTTTCCATGTTTAAATAATGATCAGGAGGCTACTAC 129007
QY 33 LeuGlyLeuValHisLeuGlyGlnLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeuLeu 52
Db 129008 TTTAAAGAGGTAAACATACACAAATTTTATATATTTTATATATTTTATATATTTT 129067
QY 53 ThrLeuSerProArgSerProGlnGlyTrpValValArgAlaAlaHisLeuThrProLeu 72
Db 129068 GCTCTGTCTCCAGGCTGGAGTACAGTGTGTGATCAGGTCACGCTCAGTCAGCAGCTC 129127
QY 73 LeuGluTyrlValProAsnPro---GluProProThrProGlyAlaArgValPheValPro 91
Db 129128 -----CCGGGCCCAAGTGATCTCCACCTCAGTCTCCAGGTTAGTGGGACC 129175
QY 92 ArgValArgMetCysSerGlySerAlaSerProArgSerGluLeuMetAspLysLysGly 111
Db 129176 ACAGTC---ATGTGCCCAACATTCAGTAAATGTAAGAAATATTTTTTAAAGACGGG 129232
QY 112 LysSerGln 114
Db 129233 GTCTCCCAA 129241

RESULT 11
US-09-902-540-7929
; Sequence 7929, Application US/09902540
; Patent No. 6833447
; GENERAL INFORMATION:
; APPLICANT: Goldman, Barry S.
; APPLICANT: Hinkle, Gregory J.
; APPLICANT: Slater, Steven C.
; APPLICANT: Wiegand, Roger C.
; TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof
; FILE REFERENCE: 38-10(15849)B
; CURRENT APPLICATION NUMBER: US/09/902,540
; CURRENT FILING DATE: 2001-07-10
; PRIOR APPLICATION NUMBER: 60/217,883
; PRIOR FILING DATE: 2000-07-10
; NUMBER OF SEQ ID NOS: 16825
; SEQ ID NO 7929
; LENGTH: 1464
; TYPE: DNA
; ORGANISM: Myxococcus xanthus
US-09-902-540-7929

Alignment Scores:
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; PRIOR FILING DATE: 2000-08-21  
 ; PRIOR APPLICATION NUMBER: US 09/934,421  
 ; PRIOR FILING DATE: 2001-06-05  
 ; PRIOR APPLICATION NUMBER: PCT/US01/18398  
 ; PRIOR FILING DATE: 2001-06-05  
 ; PRIOR APPLICATION NUMBER: PCT/US01/26096  
 ; PRIOR FILING DATE: 2001-08-21  
 ; PRIOR APPLICATION NUMBER: US 60/279,281  
 ; PRIOR FILING DATE: 2001-03-28  
 ; PRIOR APPLICATION NUMBER: US 10/109,029  
 ; PRIOR FILING DATE: 2002-03-28  
 ; PRIOR APPLICATION NUMBER: PCT/US02/09728  
 ; PRIOR FILING DATE: 2002-03-28  
 ; PRIOR APPLICATION NUMBER: US 60/290,288  
 ; PRIOR FILING DATE: 2001-05-11  
 ; PRIOR APPLICATION NUMBER: US (not assigned)  
 ; PRIOR FILING DATE: 2002-05-13  
 ; NUMBER OF SEQ ID NOS: 48  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 3  
 ; LENGTH: 2544  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-162-012-3  
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 Score: 86.00 Matches: 29  
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 Best Local Similarity: 29.59% Mismatches: 38  
 Query Match: 11.78% Indels: 19  
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 QY 70 rProLeuLeuGluTyrValProAsnProGluProProThrProGlyAlaArgValPheVa 90  
 DB 719 ACCA-----CCACCACCCCGCCCGCGGCGAGCAACCCCTTCCCGGAAA 757  
 QY 90 lProArgValArgMetCysSerGlySerAlaSerProArgSerGluLeuMetAspLysLy 110  
 DB 758 ACCA-----GCCCGAGCGCGCGCGGAGAGCAACCCCTTCCCGGAAA 799  
 QY 110 sGlyLysSerGlnGluLeuLysSerMetArgThrGlnGlnAlaGlnGlnGluAlaGl 130  
 DB 800 TAGCCATGACGAGCTGCGAGTACAACGCGGGCGCTCATCGCGCGCTCAGCAACTTGAGCG 859  
 QY 130 uLeuThrProArgProAla-----GlyValValProGlyAla 142  
 DB 860 CGTCCGCGCGGAACCTGCGACGAGATGGACTCAGAGCGCGCGCCCTGCGAGCC 911  
 RESULT 14  
 US-10-162-012-1  
 ; Sequence 1, Application US/10162012  
 ; Patent No. 6682597  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Curtis, Rory A.J.  
 ; APPLICANT: Silos-Santiago, Inmaculada  
 ; APPLICANT: Gu, Wei  
 ; TITLE OF INVENTION: NOVEL HUMAN ION CHANNEL AND TRANSPORTER FAMILY MEMBERS  
 ; FILE REFERENCE: 10448-190001  
 ; CURRENT APPLICATION NUMBER: US/10/162,012  
 ; CURRENT FILING DATE: 2002-06-04  
 ; PRIOR APPLICATION NUMBER: US 60/209,845  
 ; PRIOR FILING DATE: 2000-06-06  
 ; PRIOR APPLICATION NUMBER: US 09/875,321  
 ; PRIOR FILING DATE: 2001-06-06  
 ; PRIOR APPLICATION NUMBER: PCT/US01/18340  
 ; PRIOR FILING DATE: 2001-06-06  
 ; PRIOR APPLICATION NUMBER: US 60/209,257  
 ; PRIOR FILING DATE: 2000-06-05

Search completed: March 11, 2005, 18:31:35  
Job time : 316 secs



GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: March 11, 2005, 16:56:57 ; Search time 66 Seconds  
(without alignments)  
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Minimum DB seq length: 0

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#### SUMMARIES

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215	730	100.0	142	14	US-10-223-090-152
216	730	100.0	142	14	US-10-223-087-152
218	730	100.0	142	14	US-10-223-083-152
219	730	100.0	142	14	US-10-223-089-152
277	730	100.0	142	14	US-10-223-081-152
393	730	100.0	142	14	US-10-223-082-152
504	730	100.0	142	15	US-10-305-654-152
513	730	100.0	142	15	US-10-081-056-152
517	730	100.0	142	17	US-10-931-886-444
518	163	22.3	34	9	US-09-864-761-40302

519	119	16.3	107	11	US-09-833-245-1848	Sequence 1848, Ap
520	93.5	12.8	258	9	US-09-738-626-6615	Sequence 6615, Ap
521	90.5	12.4	995	16	US-10-437-963-134369	Sequence 134369, A
522	87	11.9	430	14	US-10-029-386-32401	Sequence 32401, A
523	87	11.9	2527	16	US-10-408-765A-2462	Sequence 2462, Ap
524	87	11.9	2715	16	US-10-408-765A-866	Sequence 866, App
525	83.5	11.4	1256	14	US-10-302-279-60	Sequence 60, Appl
526	83.5	11.4	1434	8	US-08-954-701A-10	Sequence 10, Appl
527	83.5	11.4	1434	10	US-09-754-032-10	Sequence 10, Appl
528	83.5	11.4	1434	14	US-10-421-446-10	Sequence 10, Appl
529	83.5	11.4	1447	8	US-08-954-701A-19	Sequence 19, Appl
530	83.5	11.4	1447	9	US-09-898-533-5	Sequence 5, Appli
531	83.5	11.4	1447	10	US-09-754-032-19	Sequence 19, Appl
532	83.5	11.4	1447	14	US-10-421-446-19	Sequence 19, Appl
533	79	10.8	287	16	US-10-437-963-110472	Sequence 110472, A
534	79	10.8	352	15	US-10-425-114-68867	Sequence 68867, A
535	79	10.8	353	15	US-10-425-114-71610	Sequence 71610, A
536	78.5	10.8	443	14	US-10-156-761-13211	Sequence 13211, A
537	78	10.7	360	15	US-10-425-114-41971	Sequence 41971, A
538	78	10.7	538	9	US-09-976-740-43	Sequence 43, Appl
539	78	10.7	538	13	US-10-023-529-43	Sequence 43, Appl
540	78	10.7	538	13	US-10-023-523-43	Sequence 43, Appl
541	78	10.7	538	15	US-10-616-187-43	Sequence 43, Appl
542	78	10.7	538	15	US-10-671-242-43	Sequence 43, Appl
543	78	10.7	560	15	US-10-425-114-70152	Sequence 70152, A
544	77.5	10.6	1394	10	US-09-945-917-57	Sequence 57, Appl
545	77.5	10.6	1449	10	US-09-945-917-58	Sequence 58, Appl
546	77.5	10.6	1528	10	US-09-945-917-3	Sequence 3, Appli
547	77.5	10.6	1583	10	US-09-945-917-4	Sequence 4, Appli
548	77	10.5	545	15	US-10-425-114-64318	Sequence 64318, A
549	77	10.5	1939	16	US-10-437-963-168635	Sequence 168635, A
550	76.5	10.5	240	16	US-10-437-963-144973	Sequence 144973, A
551	76.5	10.5	364	16	US-10-437-963-195786	Sequence 195786, A
552	76.5	10.5	466	16	US-10-437-963-136707	Sequence 136707, A
553	76.5	10.5	1138	14	US-10-074-475-194	Sequence 194, App
554	76.5	10.5	1432	16	US-10-437-963-201058	Sequence 201058, A
555	76	10.4	137	16	US-10-437-963-190926	Sequence 190926, A
556	76	10.4	169	10	US-09-764-891-3663	Sequence 3663, Ap
557	76	10.4	356	15	US-10-424-599-262896	Sequence 262896, A
558	76	10.4	360	15	US-10-424-599-262895	Sequence 262895, A
559	76	10.4	360	15	US-10-425-114-47953	Sequence 47953, A
560	76	10.4	375	15	US-10-425-114-36979	Sequence 36979, A
561	76	10.4	417	15	US-10-424-599-166976	Sequence 166976, A
562	76	10.4	488	16	US-10-437-963-180174	Sequence 180174, A
563	76	10.4	1384	14	US-10-226-315-2	Sequence 2, Appli
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566	75.5	10.3	134	16	US-10-437-963-166702	Sequence 166702, A
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570	75	10.3	232	15	US-10-425-114-50519	Sequence 50519, A
571	75	10.3	253	15	US-10-424-599-262214	Sequence 262214, A
572	75	10.3	636	16	US-10-437-963-202390	Sequence 202390, A
573	75	10.3	816	16	US-10-437-963-123163	Sequence 123163, A
574	75	10.3	1073	16	US-10-437-963-146567	Sequence 146567, A
575	74.5	10.2	268	9	US-09-738-626-3728	Sequence 3728, Ap
576	74.5	10.2	298	15	US-10-627-476-654	Sequence 654, App
577	74	10.1	154	16	US-10-437-963-182341	Sequence 182341, A
578	74	10.1	1167	14	US-10-032-189-88	Sequence 88, Appl
579	74	10.1	1906	16	US-10-437-963-202268	Sequence 202268, A
580	73.5	10.1	137	16	US-10-437-963-140397	Sequence 140397, A
581	73.5	10.1	154	16	US-10-767-701-43397	Sequence 43397, A
582	73.5	10.1	184	16	US-10-767-701-59879	Sequence 59879, A
583	73.5	10.1	217	16	US-10-437-963-185351	Sequence 185351, A
584	73.5	10.1	413	16	US-10-437-963-168887	Sequence 168887, A
585	73.5	10.1	469	16	US-10-437-963-155665	Sequence 155665, A
586	73.5	10.1	693	16	US-10-437-963-176742	Sequence 176742, A
587	73.5	10.1	712	15	US-10-425-114-55244	Sequence 55244, A
588	73.5	10.1	807	17	US-10-741-600-1474	Sequence 1474, Ap
589	73.5	10.1	807	17	US-10-696-639-43	Sequence 43, Appl
590	73.5	10.1	842	15	US-10-282-122A-60658	Sequence 60658, A
591	73.5	10.1	1065	15	US-10-369-493-3687	Sequence 3687, Ap

592	73.5	10.1	1192	9	US-09-815-242-10903	Sequence 10903, A	655	70	9.6	531	15	US-10-104-047-2775	Sequence 2775, Ap
593	73.5	10.1	1192	15	US-10-282-122A-57178	Sequence 57178, A	666	70	9.6	575	15	US-10-451-168-91	Sequence 91, Appl
594	73	10.0	466	16	US-10-437-963-162670	Sequence 162670, A	667	70	9.6	581	15	US-10-451-168-92	Sequence 92, Appl
595	73	10.0	529	9	US-09-795-693-31	Sequence 31, Appl	668	70	9.6	638	15	US-10-369-493-12552	Sequence 12552, A
596	73	10.0	529	14	US-10-156-239-31	Sequence 31, Appl	669	70	9.6	652	14	US-10-139-662-4	Sequence 4, Appl
597	73	10.0	529	14	US-10-199-485-31	Sequence 31, Appl	670	70	9.6	652	14	US-10-139-662-4	Sequence 4, Appl
598	73	10.0	602	15	US-10-389-566-738	Sequence 738, App	671	70	9.6	652	14	US-10-143-618-4	Sequence 4, Appl
599	73	10.0	1872	16	US-10-437-963-168642	Sequence 168642, A	672	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
600	72.5	9.9	86	16	US-10-437-963-107535	Sequence 107535, A	673	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
601	72.5	9.9	109	16	US-10-437-963-111581	Sequence 111581, A	674	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
602	72.5	9.9	241	16	US-10-437-963-144468	Sequence 144468, A	675	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
603	72.5	9.9	305	15	US-10-437-963-159352	Sequence 159352, A	676	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
604	72.5	9.9	434	16	US-10-467-595-20	Sequence 20, Appl	677	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
605	72.5	9.9	436	9	US-09-796-766-21	Sequence 21, Appl	678	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
606	72.5	9.9	436	15	US-10-659-199-21	Sequence 21, Appl	679	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
607	72.5	9.9	467	10	US-09-866-050A-513	Sequence 513, App	680	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
608	72.5	9.9	469	16	US-10-437-963-180959	Sequence 180959, A	681	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
609	72.5	9.9	523	16	US-10-437-963-186956	Sequence 186956, A	682	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
610	72.5	9.9	563	16	US-10-437-963-198755	Sequence 198755, A	683	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
611	72.5	9.9	681	16	US-10-437-963-178296	Sequence 178296, A	684	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
612	72.5	9.9	988	16	US-10-437-963-159888	Sequence 159888, A	685	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
613	72.5	9.9	1011	16	US-10-437-963-140426	Sequence 140426, A	686	70	9.6	652	16	US-10-143-618-4	Sequence 4, Appl
614	72.5	9.9	1039	16	US-10-408-765A-2259	Sequence 2259, Ap	687	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
615	72.5	9.9	3262	15	US-10-379-381-4	Sequence 4, Appl	688	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
616	72	9.9	299	16	US-10-767-701-33061	Sequence 33061, A	689	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
617	72	9.9	305	15	US-10-424-599-263243	Sequence 263243, A	690	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
618	72	9.9	390	10	US-09-944-049-20	Sequence 20, Appl	691	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
619	72	9.9	412	10	US-09-944-049-22	Sequence 22, Appl	692	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
620	72	9.9	488	15	US-10-112-944-402	Sequence 402, App	693	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
621	72	9.9	514	9	US-09-815-242-11772	Sequence 11772, A	694	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
622	72	9.9	514	15	US-10-282-122A-66144	Sequence 66144, A	695	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
623	72	9.9	887	15	US-10-369-493-19640	Sequence 19640, A	696	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
624	72	9.9	1014	15	US-10-424-599-157075	Sequence 157075, A	697	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
625	72	9.9	1384	16	US-10-473-576-22	Sequence 22, Appl	698	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
626	72	9.9	1404	16	US-10-473-576-22	Sequence 22, Appl	699	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
627	72	9.9	1712	16	US-10-437-963-168706	Sequence 168706, A	700	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
628	71.5	9.8	266	14	US-10-767-701-41825	Sequence 41825, A	701	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
629	71.5	9.8	341	14	US-10-029-386-33727	Sequence 33727, A	702	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
630	71.5	9.8	2087	16	US-10-437-963-194720	Sequence 194720, A	703	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
631	71.5	9.8	2352	16	US-10-437-963-118558	Sequence 118558, A	704	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
632	71	9.7	351	15	US-09-870-089B-2	Sequence 2, Appl	705	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
633	71	9.7	351	15	US-10-341-434-67	Sequence 67, Appl	706	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
634	71	9.7	351	15	US-10-262-445-117	Sequence 117, App	707	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
635	71	9.7	351	15	US-10-813-859-2	Sequence 2, Appl	708	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
636	71	9.7	351	17	US-10-437-963-141348	Sequence 141348, A	709	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
637	71	9.7	434	16	US-10-369-493-17193	Sequence 17193, A	710	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
638	71	9.7	583	15	US-10-108-260A-3340	Sequence 3340, Ap	711	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
639	71	9.7	634	15	US-10-108-260A-3340	Sequence 3340, Ap	712	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
640	71	9.7	729	15	US-10-282-122A-62864	Sequence 62864, A	713	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
641	71	9.7	744	15	US-10-282-122A-62864	Sequence 62864, A	714	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
642	71	9.7	904	15	US-10-359-012-16	Sequence 16, Appl	715	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
643	71	9.7	19608	15	US-10-084-846A-8	Sequence 8, Appl	716	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
644	70.5	9.7	104	16	US-10-437-963-121997	Sequence 121997, A	717	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
645	70.5	9.7	214	15	US-10-104-047-2741	Sequence 2741, Ap	718	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
646	70.5	9.7	272	15	US-10-282-122A-60802	Sequence 60802, A	719	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
647	70.5	9.7	292	16	US-10-437-963-112587	Sequence 112587, A	720	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
648	70.5	9.7	363	16	US-10-437-963-156435	Sequence 156435, A	721	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
649	70.5	9.7	400	16	US-10-437-963-194546	Sequence 194546, A	722	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
650	70.5	9.7	444	16	US-10-437-963-177911	Sequence 177911, A	723	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
651	70.5	9.7	524	16	US-10-087-192-1518	Sequence 1518, Ap	724	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
652	70.5	9.7	920	13	US-10-437-963-156445	Sequence 156445, A	725	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
653	70.5	9.7	937	16	US-09-752-639-151	Sequence 151, App	726	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
654	70.5	9.7	1038	9	US-09-984-198-151	Sequence 151, App	727	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
655	70.5	9.7	1038	16	US-10-437-963-168634	Sequence 168634, A	728	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
656	70.5	9.7	1119	16	US-10-437-963-196404	Sequence 196404, A	729	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
657	70.5	9.7	1347	16	US-10-437-963-194589	Sequence 194589, A	730	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
658	70.5	9.7	1498	16	US-10-437-963-159313	Sequence 159313, A	731	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
659	70.5	9.7	1732	16	US-10-437-963-171955	Sequence 171955, A	732	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
660	70	9.6	158	16	US-10-437-963-204759	Sequence 204759, A	733	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
661	70	9.6	189	16	US-10-437-963-165139	Sequence 165139, A	734	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
662	70	9.6	219	16	US-10-437-963-165139	Sequence 165139, A	735	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
663	70	9.6	503	15	US-10-282-122A-45759	Sequence 45759, A	736	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A
664	70	9.6	525	15	US-10-094-749-2375	Sequence 2375, Ap	737	69.5	9.5	652	16	US-10-437-963-191500	Sequence 191500, A

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739	68.5	9.4	621	15	US-10-425-114-62840	Sequence 62840, A	812	67.5	9.2	455	15	US-10-375-680-3	Sequence 3, Appli
740	68.5	9.4	642	16	US-10-437-963-164527	Sequence 164527, A	813	67.5	9.2	455	15	US-10-418-242-5	Sequence 5, Appli
741	68.5	9.4	1011	11	US-09-939-853A-13	Sequence 13, Appl	814	67.5	9.2	455	15	US-10-440-464-59	Sequence 59, Appl
742	68.5	9.4	1011	14	US-10-087-887-68	Sequence 68, Appl	815	67.5	9.2	455	15	US-10-648-825-3	Sequence 3, Appli
743	68.5	9.4	1042	16	US-10-408-765A-1655	Sequence 1655, Ap	816	67.5	9.2	455	16	US-10-774-622-3	Sequence 3, Appli
744	68.5	9.4	1066	11	US-09-939-853A-14	Sequence 14, Appl	817	67.5	9.2	455	16	US-10-755-889-584	Sequence 584, App
745	68.5	9.4	1066	14	US-10-087-887-69	Sequence 69, Appl	818	67.5	9.2	455	16	US-10-834-966-5	Sequence 5, Appli
746	68.5	9.4	1142	16	US-10-437-963-165005	Sequence 165005, A	819	67.5	9.2	455	17	US-10-482-029-156	Sequence 156, App
747	68.5	9.4	1245	15	US-10-276-774-2323	Sequence 2323, Ap	820	67.5	9.2	499	16	US-10-437-963-127066	Sequence 127066, A
748	68.5	9.4	1900	68	US-10-437-963-165099	Sequence 165099, A	821	67.5	9.2	506	14	US-10-306-905-4	Sequence 4, Appli
749	68	9.3	99	15	US-10-424-599-215002	Sequence 215002, A	822	67.5	9.2	519	16	US-10-437-963-155750	Sequence 155750, A
750	68	9.3	103	16	US-10-437-963-119461	Sequence 119461, A	823	67.5	9.2	538	15	US-10-369-493-8793	Sequence 8793, Ap
751	68	9.3	127	9	US-09-864-761-35131	Sequence 35131, A	824	67.5	9.2	710	15	US-10-094-749-2315	Sequence 2315, Ap
752	68	9.3	136	16	US-10-437-963-172866	Sequence 172866, A	825	67.5	9.2	710	16	US-10-408-765A-2496	Sequence 2496, Ap
753	68	9.3	140	16	US-10-437-963-137522	Sequence 137522, A	826	67.5	9.2	727	16	US-10-437-963-126378	Sequence 126378, A
754	68	9.3	140	16	US-10-767-701-58300	Sequence 58300, A	827	67.5	9.2	759	16	US-10-755-889-384	Sequence 384, App
755	68	9.3	164	16	US-10-437-963-172527	Sequence 172527, A	828	67.5	9.2	789	16	US-10-437-963-162702	Sequence 162702, A
756	68	9.3	196	15	US-10-424-599-225596	Sequence 225596, A	829	67.5	9.2	791	16	US-10-437-963-140165	Sequence 140165, A
757	68	9.3	206	15	US-10-424-599-279428	Sequence 279428, A	830	67.5	9.2	801	16	US-10-322-281-666	Sequence 666, App
758	68	9.3	207	16	US-10-437-963-155843	Sequence 155843, A	831	67.5	9.2	909	14	US-10-226-296-4	Sequence 4, Appli
759	68	9.3	512	16	US-10-437-963-202389	Sequence 202389, A	832	67.5	9.2	909	14	US-10-226-318-4	Sequence 4, Appli
760	68	9.3	603	15	US-10-267-502-366	Sequence 366, App	833	67.5	9.2	909	16	US-10-648-786-4	Sequence 4, Appli
761	68	9.3	730	15	US-10-094-749-2401	Sequence 2401, Ap	834	67.5	9.2	928	16	US-10-437-963-165942	Sequence 165942, A
762	68	9.3	817	16	US-10-437-963-180425	Sequence 180425, A	835	67.5	9.2	1382	15	US-10-378-973-3	Sequence 3, Appli
763	68	9.3	1073	14	US-10-032-585-7661	Sequence 7661, Ap	836	67.5	9.2	1382	15	US-10-378-973-5	Sequence 5, Appli
764	68	9.3	1304	16	US-10-437-963-179195	Sequence 179195, A	837	67.5	9.2	1715	16	US-10-437-963-168784	Sequence 168784, A
765	68	9.3	1328	16	US-10-437-963-180429	Sequence 180429, A	838	67.5	9.2	2502	9	US-09-772-316-1	Sequence 1, Appli
766	68	9.3	1588	16	US-10-437-963-189741	Sequence 189741, A	839	67.5	9.2	2502	15	US-10-600-058-1	Sequence 1, Appli
767	68	9.3	2010	16	US-10-437-963-168790	Sequence 168790, A	840	67.5	9.2	19695	15	US-10-084-846A-3	Sequence 3, Appli
768	67.5	9.2	131	9	US-09-764-868-1156	Sequence 1156, Ap	841	67	9.2	80	15	US-10-424-599-24518	Sequence 24518, A
769	67.5	9.2	135	15	US-10-264-049-2486	Sequence 2486, Ap	842	67	9.2	102	16	US-10-437-963-143853	Sequence 143853, A
770	67.5	9.2	197	14	US-10-153-668-1	Sequence 1, Appli	843	67	9.2	102	16	US-10-437-963-174984	Sequence 174984, A
771	67.5	9.2	216	9	US-09-764-868-1159	Sequence 1159, Ap	844	67	9.2	108	16	US-10-437-963-120480	Sequence 120480, A
772	67.5	9.2	282	9	US-09-764-868-782	Sequence 782, App	845	67	9.2	131	16	US-10-767-701-58726	Sequence 58726, A
773	67.5	9.2	312	9	US-09-764-868-785	Sequence 785, App	846	67	9.2	165	15	US-10-424-599-245647	Sequence 245647, A
774	67.5	9.2	327	15	US-10-282-122A-48240	Sequence 48240, A	847	67	9.2	200	15	US-10-424-599-152172	Sequence 152172, A
775	67.5	9.2	350	16	US-10-437-963-184178	Sequence 184178, A	848	67	9.2	246	16	US-10-437-963-106617	Sequence 106617, A
776	67.5	9.2	371	9	US-09-899-422-12	Sequence 12, Appl	849	67	9.2	258	9	US-09-987-107-30	Sequence 30, Appl
777	67.5	9.2	371	9	US-09-898-234-12	Sequence 234-12, A	850	67	9.2	313	9	US-09-894-657-8	Sequence 8, Appli
778	67.5	9.2	371	9	US-09-899-429A-22	Sequence 22, Appl	851	67	9.2	313	15	US-10-425-114-55756	Sequence 55756, A
779	67.5	9.2	371	9	US-09-792-356-12	Sequence 12, Appl	852	67	9.2	338	15	US-10-282-122A-59818	Sequence 59818, A
780	67.5	9.2	397	16	US-10-437-963-143466	Sequence 143466, A	853	67	9.2	374	15	US-10-437-963-104664	Sequence 104664, A
781	67.5	9.2	407	16	US-10-437-963-156473	Sequence 156473, A	854	67	9.2	408	16	US-10-424-599-233023	Sequence 233023, A
782	67.5	9.2	426	15	US-10-349-977-37	Sequence 37, Appl	855	67	9.2	453	15	US-10-437-963-167716	Sequence 167716, A
783	67.5	9.2	430	16	US-10-437-963-155712	Sequence 155712, A	856	67	9.2	533	16	US-10-425-114-54780	Sequence 54780, A
784	67.5	9.2	451	15	US-10-341-434-180	Sequence 180, App	857	67	9.2	552	15	US-10-425-114-40563	Sequence 40563, A
785	67.5	9.2	453	14	US-10-280-047-5	Sequence 5, Appli	858	67	9.2	590	15	US-10-09-816-653A-7	Sequence 7, Appli
786	67.5	9.2	455	9	US-09-826-212-3	Sequence 3, Appli	859	67	9.2	670	10	US-10-309-422-34	Sequence 34, Appl
787	67.5	9.2	455	9	US-09-333-966-5	Sequence 5, Appli	860	67	9.2	670	10	US-10-309-422-32	Sequence 32, Appl
788	67.5	9.2	455	9	US-09-027-287-3	Sequence 3, Appli	861	67	9.2	682	16	US-10-437-963-115847	Sequence 115847, A
789	67.5	9.2	455	9	US-09-874-138-3	Sequence 3, Appli	862	67	9.2	743	14	US-10-309-422-38	Sequence 38, Appl
790	67.5	9.2	455	9	US-09-840-707A-16	Sequence 16, Appl	863	67	9.2	746	9	US-10-467-595-4	Sequence 4, Appli
791	67.5	9.2	455	9	US-09-232-656B-3	Sequence 3, Appli	864	67	9.2	824	16	US-10-309-422-42	Sequence 42, Appl
792	67.5	9.2	455	9	US-09-899-422-2	Sequence 2, Appli	865	67	9.2	827	14	US-10-309-422-32	Sequence 32, Appl
793	67.5	9.2	455	9	US-09-899-422-17	Sequence 17, Appl	866	67	9.2	877	14	US-10-309-422-26	Sequence 26, Appl
794	67.5	9.2	455	9	US-09-935-727-5	Sequence 5, Appli	867	67	9.2	900	15	US-10-282-122A-64781	Sequence 64781, A
795	67.5	9.2	455	9	US-09-898-234-2	Sequence 2, Appli	868	67	9.2	908	14	US-10-309-422-10	Sequence 10, Appl
796	67.5	9.2	455	9	US-09-898-234-17	Sequence 17, Appl	869	67	9.2	925	14	US-10-309-422-36	Sequence 36, Appl
797	67.5	9.2	455	9	US-09-756-854-5	Sequence 5, Appli	870	67	9.2	925	14	US-10-309-422-14	Sequence 14, Appl
798	67.5	9.2	455	9	US-09-899-429A-2	Sequence 2, Appli	871	67	9.2	958	14	US-10-309-422-40	Sequence 40, Appl
799	67.5	9.2	455	9	US-09-899-429A-27	Sequence 27, Appl	872	67	9.2	992	14	US-10-309-422-18	Sequence 18, Appl
800	67.5	9.2	455	9	US-09-792-356-2	Sequence 2, Appli	873	67	9.2	992	14	US-10-309-422-30	Sequence 30, Appl
801	67.5	9.2	455	9	US-09-792-356-17	Sequence 17, Appl	874	67	9.2	1042	14	US-10-309-422-8	Sequence 8, Appli
802	67.5	9.2	455	10	US-09-314-889-5	Sequence 5, Appli	875	67	9.2	1043	14	US-10-309-422-20	Sequence 20, Appl
803	67.5	9.2	455	10	US-09-945-505-3	Sequence 3, Appli	876	67	9.2	1081	16	US-10-437-963-168720	Sequence 168720, A
804	67.5	9.2	455	13	US-10-005-842-3	Sequence 3, Appli	877	67	9.2	1091	14	US-10-309-422-12	Sequence 12, Appl
805	67.5	9.2	455	13	US-10-120-397-2	Sequence 2, Appli	878	67	9.2				
806	67.5	9.2	455	13	US-10-041-574-5	Sequence 5, Appli	879	67	9.2				
807	67.5	9.2	455	14	US-10-099-007A-13	Sequence 13, Appl	880	67	9.2				
808	67.5	9.2	455	14	US-10-038-557A-16	Sequence 16, Appl	881	67	9.2				
809	67.5	9.2	455	14	US-10-175-902-4	Sequence 4, Appli	882	67	9.2				
810	67.5	9.2	455	14	US-10-186-643-3	Sequence 3, Appli	883	67	9.2				

884	67	9.2	1092	14	US-10-309-422-24	Sequence 24, Appl	957	66	9.0	222	15	US-10-335-977-9047	Sequence 9047, Ap
885	67	9.2	1126	14	US-10-309-422-16	Sequence 16, Appl	958	66	9.0	318	16	US-10-630-636-9	Sequence 9, Appli
886	67	9.2	1127	14	US-10-309-422-28	Sequence 28, Appl	959	66	9.0	324	15	US-10-225-066A-484	Sequence 484, App
887	67	9.2	1147	16	US-10-437-963-183867	Sequence 183867, r	960	66	9.0	324	15	US-10-374-780A-2884	Sequence 2884, Ap
888	67	9.2	1286	14	US-10-437-963-183867	Sequence 183867, r	961	66	9.0	325	16	US-10-437-963-180967	Sequence 180967, r
889	67	9.2	1381	14	US-10-226-315-4	Sequence 4, Appli	962	66	9.0	325	15	US-10-264-237-2332	Sequence 2332, Ap
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891	67	9.2	1552	15	US-10-369-493-19252	Sequence 19252, A	964	66	9.0	346	15	US-10-627-476-482	Sequence 482, App
892	67	9.2	1559	16	US-10-437-963-178871	Sequence 178871, r	965	66	9.0	363	14	US-10-074-045-45	Sequence 45, Appl
893	67	9.2	1626	16	US-10-437-963-168747	Sequence 168747, r	966	66	9.0	371	16	US-10-437-963-185768	Sequence 185768, r
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895	67	9.2	1650	16	US-10-437-963-168686	Sequence 168686, r	968	66	9.0	375	15	US-10-282-122A-42749	Sequence 42749, A
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898	67	9.2	1820	16	US-10-437-963-178870	Sequence 178870, r	971	66	9.0	440	11	US-09-833-245-685	Sequence 685, App
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901	67	9.2	1912	16	US-10-437-963-162165	Sequence 162165, r	974	66	9.0	494	15	US-10-369-493-19256	Sequence 12526, A
902	67	9.2	1941	16	US-10-437-963-168681	Sequence 168681, r	975	66	9.0	555	15	US-10-369-493-16103	Sequence 16103, A
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904	67	9.2	1957	16	US-10-437-963-168682	Sequence 168682, r	977	66	9.0	601	15	US-10-104-047-3822	Sequence 1452, Ap
905	67	9.2	2035	16	US-10-437-963-168690	Sequence 168690, r	978	66	9.0	601	16	US-10-408-765A-1452	Sequence 22, Appl
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909	67	9.2	2396	16	US-10-737-658-2	Sequence 2, Appli	982	66	9.0	647	9	US-09-965-529-16	Sequence 16, Appl
910	67	9.2	2385	16	US-10-407-822-8	Sequence 8, Appli	983	66	9.0	647	10	US-09-969-680A-16	Sequence 16, Appl
911	67	9.2	19723	15	US-10-084-846A-5	Sequence 5, Appli	984	66	9.0	647	11	US-09-833-245-686	Sequence 686, App
912	66.5	9.1	81	15	US-10-424-599-245511	Sequence 245511, r	985	66	9.0	647	15	US-10-353-690-76	Sequence 76, Appl
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915	66.5	9.1	151	16	US-10-437-963-140070	Sequence 140070, r	988	66	9.0	648	16	US-10-437-963-189835	Sequence 189835, r
916	66.5	9.1	162	16	US-10-437-963-143558	Sequence 143558, r	989	66	9.0	682	15	US-10-396-122-89	Sequence 204716, r
917	66.5	9.1	170	15	US-10-187-975-54	Sequence 54, Appl	990	66	9.0	781	16	US-10-437-963-189667	Sequence 189667, r
918	66.5	9.1	195	15	US-10-424-599-200391	Sequence 200391, r	991	66	9.0	808	16	US-10-437-963-182662	Sequence 142662, r
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933	66.5	9.1	650	16	US-10-745-034-2	Sequence 2, Appli	1006	66	9.0	1908	16	US-10-437-963-138162	Sequence 138162, r
934	66.5	9.1	650	16	US-10-755-889-196	Sequence 196, App	1007	66	9.0	1953	16	US-10-437-963-152795	Sequence 152795, r
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940	66.5	9.1	1014	16	US-10-437-963-165006	Sequence 165006, r	1013	65.5	9.0	184	16	US-10-767-701-58362	Sequence 58362, A
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1047	65.5	9.0	1345	15	US-10-468-842-3	Sequence 3, Appli	1226	65	8.9	1943	16	US-10-437-963-168714	Sequence 168714,
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1067	65	8.9	319	16	US-10-437-963-170840	Sequence 170840,	1246	64.5	8.8	317	15	US-10-425-114-38121	Sequence 38121, A
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1072	65	8.9	434	14	US-09-881-138A-4	Sequence 4, Appli	1251	64.5	8.8	529	15	US-10-671-419-2	Sequence 2, Appli
1073	65	8.9	434	14	US-10-088-726-17	Sequence 17, Appl	1252	64.5	8.8	529	15	US-10-670-844-2	Sequence 2, Appli
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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210	1332	100.0	1332	15	US-10-223-085-151
213	1332	100.0	1332	15	US-10-223-084-151
214	1332	100.0	1332	15	US-10-223-084-151
215	1332	100.0	1332	15	US-10-223-084-151
216	1332	100.0	1332	15	US-10-223-084-151
218	1332	100.0	1332	15	US-10-223-084-151
219	1332	100.0	1332	15	US-10-223-084-151
379	1332	100.0	1332	16	US-10-223-081-151
395	1332	100.0	1332	16	US-10-223-082-151
507	1332	100.0	1332	17	US-10-305-654-151
516	1332	100.0	1332	17	US-10-081-056-151

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530	743.4	55.8	757	10	US-09-764-891-10161	Sequence 10161, A
531	743.4	55.8	757	10	US-09-764-891-10163	Sequence 10163, A
532	727.4	54.6	757	10	US-09-764-891-10162	Sequence 10162, A
533	430	32.3	452	10	US-09-764-891-2625	Sequence 2625, App
534	387.2	29.1	424	10	US-09-764-891-10164	Sequence 10164, A
535	385.6	28.9	424	10	US-09-764-891-10167	Sequence 10167, A
536	364	27.3	1186	10	US-09-764-891-10166	Sequence 10166, A
537	338.2	25.4	542	9	US-09-864-761-6706	Sequence 6706, App
538	158	11.9	158	9	US-09-864-761-23440	Sequence 23440, A
539	96.8	7.3	530	13	US-10-027-632-273407	Sequence 273407, App
540	96.8	7.3	530	13	US-10-027-632-273407	Sequence 273407, App
541	95.6	7.2	530	13	US-10-027-632-273408	Sequence 273408, App
542	95.6	7.2	530	13	US-10-027-632-273408	Sequence 273408, App
543	85.6	6.4	756	13	US-10-027-632-149904	Sequence 149904, A
544	85.6	6.4	756	13	US-10-027-632-149904	Sequence 149905, A
545	85.6	6.4	756	13	US-10-027-632-149905	Sequence 149904, A
546	85.6	6.4	756	17	US-10-027-632-149905	Sequence 149905, A
547	56	4.2	597	18	US-10-021-323-8503	Sequence 8503, App
548	54.8	4.1	599	16	US-10-029-386-10699	Sequence 10699, A
549	54.6	4.1	3131	9	US-09-925-299-193	Sequence 193, App
550	54.6	4.1	3131	10	US-09-925-299-193	Sequence 193, App
551	54.6	4.1	3131	15	US-10-106-698-321	Sequence 321, App
552	52.4	3.9	638	18	US-10-425-115-112248	Sequence 112248, A
553	51.2	3.8	1403	17	US-10-424-599-52502	Sequence 52502, A
554	50.8	3.8	363	18	US-10-357-930-57468	Sequence 57468, A
555	50.8	3.8	16442	17	US-10-374-077-208	Sequence 208, App
556	50.6	3.8	1838	17	US-10-424-599-141007	Sequence 141007, A
557	50.6	3.8	3489	11	US-09-894-273-1	Sequence 1, Appli
558	50.6	3.8	3489	15	US-10-294-804-1	Sequence 1, Appli
559	50.6	3.8	3489	18	US-10-194-046-1	Sequence 1, Appli
560	50.4	3.8	276	17	US-10-424-599-139957	Sequence 139957, A
561	50.2	3.8	1763	19	US-10-819-860-3	Sequence 3, Appli
562	49.8	3.7	1508	18	US-10-425-115-101424	Sequence 101424, A
563	49.6	3.7	257	17	US-10-424-599-41305	Sequence 41305, A
564	49.6	3.7	520	18	US-10-021-323-7699	Sequence 7699, App
565	49.4	3.7	435	10	US-09-814-353-5103	Sequence 5103, App
566	49.4	3.7	435	10	US-09-814-353-11395	Sequence 11395, A
567	49.4	3.7	487	17	US-10-125-968-930	Sequence 930, App
568	49.4	3.7	622	18	US-10-425-115-162954	Sequence 162954, A
569	49.4	3.7	1971	18	US-10-425-115-106633	Sequence 106633, A
570	49.2	3.7	783	17	US-10-264-049-781	Sequence 781, App
571	49.2	3.7	8951	15	US-10-311-455-768	Sequence 768, App
572	49	3.7	201	17	US-10-424-599-37387	Sequence 37387, A
573	49	3.7	452	17	US-10-424-599-68096	Sequence 68096, A
574	49	3.7	554	18	US-10-021-323-6039	Sequence 6039, App
575	49	3.7	2971	18	US-10-723-860-5051	Sequence 5051, App
576	49	3.7	6767	17	US-10-221-714A-330	Sequence 330, App
577	48.8	3.7	216	10	US-09-814-353-5000	Sequence 5000, App
578	48.8	3.7	216	10	US-09-814-353-11292	Sequence 11292, A
579	48.8	3.7	403	9	US-09-960-352-3319	Sequence 3319, App
580	48.8	3.7	550	18	US-10-425-115-37819	Sequence 37819, A
581	48.6	3.6	160	16	US-10-029-386-24399	Sequence 24399, A
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583	48.6	3.6	477	18	US-10-425-115-107934	Sequence 107934, A
584	48.6	3.6	978	17	US-10-424-599-57198	Sequence 57198, A
585	48.6	3.6	3655	18	US-10-723-860-5395	Sequence 5395, App
586	48.4	3.6	585	17	US-10-424-599-84626	Sequence 84626, A
587	48.4	3.6	608	18	US-10-425-115-24855	Sequence 24855, A
588	48.4	3.6	732	10	US-09-809-391-66	Sequence 66, Appl
589	48.4	3.6	732	10	US-09-882-171-66	Sequence 66, Appl
590	48.4	3.6	732	17	US-10-164-861-66	Sequence 66, Appl
591	48.4	3.6	1013	17	US-10-424-599-41033	Sequence 41033, A
592	48.4	3.6	3673778	16	US-10-312-841-1	Sequence 1, Appli
593	48.2	3.6	712	15	US-10-106-698-1404	Sequence 1404, App
594	48.2	3.6	1009	18	US-10-425-115-53213	Sequence 53213, A
595	48.2	3.6	1811	17	US-10-424-599-59218	Sequence 59218, A
596	48	3.6	431	18	US-10-425-115-168306	Sequence 168306, A
597	48	3.6	431	17	US-10-425-115-131667	Sequence 131667, A
598	48	3.6	649	17	US-10-424-599-85210	Sequence 85210, A
599	48	3.6	877	18	US-10-425-115-134346	Sequence 134346, A
600	48	3.6	889	18	US-10-437-963-95303	Sequence 95303, A
601	48	3.6	2147	17	US-10-424-599-76182	Sequence 76182, A

c 602	47.8	3.6	282	18	US-10-021-323-14775	Sequence 14775, A	675	46.8	3.5	556	18	US-10-357-930-43620	Sequence 43620, A
c 603	47.8	3.6	353	18	US-10-357-930-8823	Sequence 8823, Ap	c 676	46.8	3.5	593	18	US-10-021-323-7375	Sequence 7375, Ap
c 604	47.8	3.6	363	17	US-10-424-599-21801	Sequence 21801, A	677	46.8	3.5	1001	17	US-10-424-599-85232	Sequence 85232, A
c 605	47.8	3.6	464	18	US-10-437-963-87702	Sequence 87702, A	678	46.8	3.5	1769	17	US-10-424-599-126885	Sequence 126885, A
c 606	47.8	3.6	569	18	US-10-021-323-7637	Sequence 7637, Ap	679	46.8	3.5	1937	18	US-10-357-930-33111	Sequence 23171, A
c 607	47.8	3.6	952	18	US-10-425-115-65097	Sequence 65097, A	680	46.8	3.5	2485	18	US-10-727-936-9	Sequence 9, Appli
c 608	47.8	3.6	967	18	US-10-425-115-87353	Sequence 87353, A	681	46.8	3.5	2790	16	US-10-029-386-22626	Sequence 22626, A
c 609	47.8	3.6	318	18	US-10-021-323-6340	Sequence 6340, Ap	682	46.8	3.5	2806	16	US-10-760-709-9	Sequence 215, App
c 610	47.6	3.6	517	18	US-10-437-963-15740	Sequence 15740, A	683	46.8	3.5	3107	17	US-10-108-260A-215	Sequence 35, Appl
c 611	47.6	3.6	2239	14	US-10-198-846-9807	Sequence 9807, Ap	684	46.8	3.5	3107	17	US-10-800-023-35	Sequence 60, Appl
c 612	47.6	3.6	4097	18	US-09-814-353-20144	Sequence 20144, A	685	46.8	3.5	7568	17	US-10-133-937-60	Sequence 20, Appl
c 613	47.4	3.6	477	18	US-10-437-963-999	Sequence 999, App	686	46.8	3.5	7568	17	US-10-159-563-60	Sequence 60, Appl
c 614	47.4	3.6	495	18	US-10-021-323-2679	Sequence 2679, Ap	687	46.8	3.5	7568	17	US-10-723-860-2203	Sequence 2203, Ap
c 615	47.4	3.6	505	18	US-10-425-115-163765	Sequence 163765, A	688	46.6	3.5	289	17	US-10-424-599-51278	Sequence 51278, A
c 616	47.4	3.6	516	18	US-10-425-115-184646	Sequence 184646, A	689	46.6	3.5	315	17	US-10-283-122A-20197	Sequence 20197, A
c 617	47.4	3.6	746	14	US-10-126-560-1	Sequence 1, Appli	690	46.6	3.5	369	17	US-10-424-599-46723	Sequence 46723, A
c 618	47.4	3.6	1117	17	US-10-424-599-47804	Sequence 47804, A	691	46.6	3.5	387	18	US-10-425-115-97640	Sequence 97640, A
c 619	47.4	3.6	1140	9	US-09-925-299-14	Sequence 14, Appl	692	46.6	3.5	445	18	US-10-723-860-4267	Sequence 4267, Ap
c 620	47.4	3.6	1320	14	US-10-060-036-4547	Sequence 4547, Ap	693	46.6	3.5	451	17	US-10-424-599-114565	Sequence 114565, A
c 621	47.4	3.6	1342	17	US-10-351-334-89	Sequence 89, Appl	694	46.6	3.5	475	18	US-10-425-115-17949	Sequence 17949, A
c 622	47.4	3.6	1926	15	US-10-294-046-3	Sequence 3, Appli	695	46.6	3.5	526	18	US-10-425-115-79737	Sequence 79737, A
c 623	47.4	3.6	1926	15	US-10-194-046-3	Sequence 3, Appli	696	46.6	3.5	528	18	US-10-021-323-8131	Sequence 8131, Ap
c 624	47.4	3.6	2045	9	US-08-853-161-22	Sequence 22, Appl	697	46.6	3.5	560	18	US-10-021-323-12602	Sequence 12602, A
c 625	47.4	3.6	2045	9	US-08-852-659A-22	Sequence 22, Appl	698	46.6	3.5	599	18	US-10-425-115-47514	Sequence 47514, A
c 626	47.4	3.6	2045	9	US-08-852-797-22	Sequence 22, Appl	699	46.6	3.5	608	10	US-09-814-353-5190	Sequence 5190, Ap
c 627	47.4	3.6	2045	9	US-10-058-993-22	Sequence 22, Appl	700	46.6	3.5	608	10	US-09-814-353-11478	Sequence 11478, A
c 628	47.4	3.6	2078	17	US-10-264-237-589	Sequence 589, App	701	46.6	3.5	820	18	US-10-425-115-102838	Sequence 102838, A
c 629	47.4	3.6	2511	9	US-09-965-529-63	Sequence 63, Appl	702	46.6	3.5	820	18	US-10-425-115-102838	Sequence 102838, A
c 630	47.4	3.6	2511	10	US-09-369-680A-63	Sequence 63, Appl	703	46.6	3.5	1056	18	US-10-425-115-136611	Sequence 136611, A
c 631	47.4	3.6	8705	15	US-10-291-230-14	Sequence 14, Appl	704	46.6	3.5	1469	18	US-10-425-115-147341	Sequence 147341, A
c 632	47.4	3.6	8705	15	US-10-291-249-14	Sequence 14, Appl	705	46.6	3.5	1492	17	US-10-424-599-13154	Sequence 13154, A
c 633	47.4	3.6	8705	17	US-10-273-678-16	Sequence 16, Appl	706	46.6	3.5	1956	17	US-10-264-049-174	Sequence 174, App
c 634	47.4	3.6	9600	16	US-10-278-751-1	Sequence 1, Appli	707	46.6	3.5	2700	17	US-10-424-599-65456	Sequence 65456, A
c 635	47.4	3.6	12233	16	US-10-050-898-283	Sequence 283, App	708	46.4	3.5	6230	9	US-10-723-860-8114	Sequence 8114, Ap
c 636	47.4	3.6	12233	16	US-10-050-902-283	Sequence 283, App	709	46.4	3.5	145	17	US-10-333-184-56	Sequence 56, Appl
c 637	47.4	3.6	10330	18	US-10-656-269-24	Sequence 24, Appl	710	46.4	3.5	145	17	US-10-333-184-56	Sequence 56, Appl
c 638	47.4	3.6	10477	18	US-10-656-269-22	Sequence 22, Appl	711	46.4	3.5	277	9	US-09-960-352-12673	Sequence 12673, A
c 639	47.4	3.6	10516	18	US-10-656-269-18	Sequence 18, Appl	712	46.4	3.5	302	18	US-10-425-115-10328	Sequence 10328, A
c 640	47.4	3.6	10561	18	US-10-656-269-18	Sequence 18, Appl	713	46.4	3.5	351	10	US-09-814-353-17579	Sequence 17579, A
c 641	47.4	3.6	10615	18	US-10-656-269-45	Sequence 45, Appl	714	46.4	3.5	351	10	US-10-021-323-5700	Sequence 5700, Ap
c 642	47.4	3.6	10674	18	US-10-656-269-23	Sequence 23, Appl	715	46.4	3.5	429	17	US-10-357-930-57399	Sequence 57399, A
c 643	47.4	3.6	10921	18	US-10-656-269-21	Sequence 21, Appl	716	46.4	3.5	461	17	US-10-424-599-91654	Sequence 91654, A
c 644	47.4	3.6	10961	18	US-10-656-269-19	Sequence 19, Appl	717	46.4	3.5	482	17	US-10-357-930-54391	Sequence 54391, A
c 645	47.4	3.6	11066	18	US-10-656-269-17	Sequence 17, Appl	718	46.4	3.5	497	17	US-10-424-599-96207	Sequence 96207, A
c 646	47.4	3.6	11066	18	US-10-656-269-16	Sequence 16, Appl	719	46.4	3.5	503	18	US-10-425-115-123971	Sequence 123971, A
c 647	47.4	3.6	11059	18	US-10-656-269-46	Sequence 46, Appl	720	46.4	3.5	537	18	US-10-021-323-7228	Sequence 7228, Ap
c 648	47.4	3.6	11924	18	US-10-678-816-7	Sequence 7, Appli	721	46.4	3.5	548	18	US-10-425-115-137839	Sequence 137839, A
c 649	47.4	3.6	12242	18	US-10-678-816-6	Sequence 6, Appli	722	46.4	3.5	557	18	US-10-425-115-136486	Sequence 136486, A
c 650	47.2	3.5	344	17	US-10-424-599-35199	Sequence 35199, A	723	46.4	3.5	561	18	US-10-425-115-136486	Sequence 136486, A
c 651	47.2	3.5	398	17	US-10-424-599-13346	Sequence 13346, A	724	46.4	3.5	565	18	US-10-357-930-59119	Sequence 59119, A
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c 654	47.2	3.5	2946	18	US-10-723-860-5562	Sequence 5562, Ap	727	46.4	3.5	612	18	US-10-425-115-23132	Sequence 23132, A
c 655	47.2	3.5	354	17	US-10-424-599-110967	Sequence 110967, A	728	46.4	3.5	646	9	US-09-770-149-579	Sequence 579, App
c 656	47.2	3.5	354	17	US-10-357-930-58965	Sequence 58965, A	729	46.4	3.5	653	18	US-10-425-115-6896	Sequence 6896, Ap
c 657	47.2	3.5	449	18	US-10-357-930-58831	Sequence 58831, A	730	46.4	3.5	779	18	US-10-739-930-3413	Sequence 3413, Ap
c 658	47.2	3.5	526	18	US-10-425-115-43986	Sequence 43986, A	731	46.4	3.5	812	17	US-10-425-115-97406	Sequence 97406, A
c 659	47.2	3.5	539	10	US-09-814-353-17862	Sequence 17862, A	732	46.4	3.5	835	17	US-10-424-599-133944	Sequence 133944, A
c 660	47.2	3.5	580	17	US-10-424-599-111106	Sequence 111106, A	733	46.4	3.5	963	17	US-10-357-930-50083	Sequence 50083, A
c 661	47.2	3.5	628	16	US-10-029-386-22859	Sequence 22859, A	734	46.4	3.5	1000	17	US-10-357-930-50083	Sequence 50083, A
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c 664	47.2	3.5	1197	13	US-10-739-930-2475	Sequence 2475, Ap	737	46.4	3.5	1527	10	US-10-424-599-25449	Sequence 25449, A
c 665	47.2	3.5	28796	13	US-10-087-192-1297	Sequence 1297, Ap	738	46.4	3.5	1527	10	US-10-616-263-31	Sequence 31, Appl
c 666	46.8	3.5	309	18	US-10-357-930-45013	Sequence 45013, A	739	46.4	3.5	1654	9	US-09-728-401A-3	Sequence 3, Appli
c 667	46.8	3.5	346	10	US-09-814-353-17676	Sequence 17676, A	740	46.4	3.5	1654	10	US-09-771-023-3	Sequence 3, Appli
c 668	46.8	3.5	403	18	US-10-425-115-82882	Sequence 82882, A	741	46.4	3.5	1837	15	US-10-219-065-39	Sequence 91571, A
c 669	46.8	3.5	440	10	US-09-814-353-3227	Sequence 3227, Ap	742	46.4	3.5	2743	18	US-10-425-115-91571	Sequence 91571, A
c 670	46.8	3.5	440	10	US-09-814-353-3227	Sequence 3227, Ap	743	46.4	3.5	3770	17	US-10-159-563-117	Sequence 117, App
c 671	46.8	3.5	534	18	US-10-425-115-64775	Sequence 64775, A	744	46.2	3.5	4397	10	US-09-814-353-5567	Sequence 5567, Ap
c 672	46.8	3.5	556	18	US-10-357-930-40082	Sequence 40082, A	745	46.2	3.5	397	10	US-09-814-353-11854	Sequence 11854, A
c 673	46.8	3.5	556	18	US-10-357-930-40182	Sequence 40182, A	746	46.2	3.5	447	18	US-10-425-115-148712	Sequence 148712, A
c 674	46.8	3.5	556	18	US-10-357-930-42124	Sequence 42124, A	747	46.2	3.5	468	18	US-10-437-963-93254	Sequence 93254, A

C 851	45.2	3.5	470	18	US-10-425-115-179828	Sequence 179828,	C 924	45.6	3.4	549	18	US-10-425-115-105702	Sequence 105702,
C 852	46.2	3.5	499	18	US-10-021-323-1716	Sequence 1716, Ap	C 925	45.6	3.4	556	18	US-10-021-323-11082	Sequence 11082, A
C 853	46.2	3.5	500	18	US-10-425-115-132551	Sequence 132551,	C 926	45.6	3.4	1176	18	US-10-425-115-60769	Sequence 60769, A
C 854	46.2	3.5	513	18	US-10-437-963-10007	Sequence 10007, A	C 927	45.6	3.4	1959	17	US-10-183-687-484	Sequence 484, App
C 855	46.2	3.5	539	18	US-10-425-115-137416	Sequence 137416,	C 928	45.6	3.4	5379	15	US-10-128-714-5305	Sequence 5305, App
C 856	46.2	3.5	554	17	US-10-424-599-82697	Sequence 82697, A	C 929	45.6	3.4	653158	9	US-09-771-208-20	Sequence 20, Appli
C 857	46.2	3.5	555	18	US-10-021-323-4396	Sequence 4396, Ap	C 930	45.6	3.4	3673778	16	US-10-312-841-2	Sequence 2, Appli
C 858	46.2	3.5	609	18	US-10-425-115-6759	Sequence 6759, Ap	C 931	45.4	3.4	219	17	US-10-424-599-82347	Sequence 82347, A
C 859	46.2	3.5	699	10	US-09-764-891-2591	Sequence 2591, Ap	C 932	45.4	3.4	245	18	US-10-425-115-152867	Sequence 152867, A
C 860	46.2	3.5	699	15	US-10-025-428-233	Sequence 233, App	C 933	45.4	3.4	252	18	US-10-425-115-32075	Sequence 32075, A
C 861	46.2	3.5	837	18	US-10-739-930-3047	Sequence 3047, Ap	C 934	45.4	3.4	372	18	US-10-357-930-58095	Sequence 58095, A
C 862	46.2	3.5	1072	17	US-10-424-599-71940	Sequence 71940, A	C 935	45.4	3.4	392	17	US-10-424-599-56005	Sequence 56005, A
C 863	46.2	3.5	1286	14	US-10-198-846-13193	Sequence 13193, A	C 936	45.4	3.4	413	10	US-09-918-995-8389	Sequence 8389, Ap
C 864	46.2	3.5	1307	18	US-10-357-930-21107	Sequence 21107, A	C 937	45.4	3.4	443	18	US-10-021-323-2953	Sequence 2953, Ap
C 865	46.2	3.5	1307	18	US-10-357-930-26947	Sequence 26947, A	C 938	45.4	3.4	486	17	US-10-424-599-57535	Sequence 57535, A
C 866	46.2	3.5	1629	17	US-10-424-599-9786	Sequence 9786, Ap	C 939	45.4	3.4	489	18	US-10-021-323-10810	Sequence 10810, A
C 867	46.2	3.5	1864	10	US-09-809-391-130	Sequence 130, App	C 940	45.4	3.4	529	18	US-10-021-323-10810	Sequence 10810, A
C 868	46.2	3.5	1864	10	US-09-882-171-130	Sequence 130, App	C 941	45.4	3.4	537	18	US-10-425-115-87598	Sequence 87598, A
C 869	46.2	3.5	2486	17	US-10-164-861-130	Sequence 130, App	C 942	45.4	3.4	587	18	US-10-425-115-172648	Sequence 172648,
C 870	46.2	3.5	3157	17	US-10-723-860-7731	Sequence 7731, Ap	C 943	45.4	3.4	669	17	US-10-424-599-141641	Sequence 141641,
C 871	46.2	3.5	3157	17	US-10-262-839-85	Sequence 85, Appl	C 944	45.4	3.4	697	9	US-09-950-933A-31	Sequence 31, Appl
C 872	46	3.5	294	10	US-09-814-353-5106	Sequence 5106, Ap	C 945	45.4	3.4	876	17	US-10-172-118-156	Sequence 156, App
C 873	46	3.5	294	10	US-09-814-353-11398	Sequence 11398, A	C 946	45.4	3.4	876	17	US-10-342-887-156	Sequence 156, App
C 874	46	3.5	320	18	US-10-425-115-32937	Sequence 32937, A	C 947	45.4	3.4	917	10	US-09-983-802-43	Sequence 43, Appl
C 875	46	3.5	539	18	US-10-425-115-10243	Sequence 10243, A	C 948	45.4	3.4	917	10	US-09-984-490-43	Sequence 43, Appl
C 876	46	3.5	559	18	US-10-425-115-21448	Sequence 21448, A	C 949	45.4	3.4	917	10	US-09-984-490-43	Sequence 43, Appl
C 877	46	3.5	576	18	US-10-425-115-145829	Sequence 145829,	C 950	45.4	3.4	1383	17	US-10-310-154-230	Sequence 230, App
C 878	46	3.5	590	17	US-10-437-963-95856	Sequence 95856, A	C 951	45.4	3.4	1567	18	US-10-425-115-105450	Sequence 105450,
C 879	46	3.5	662	17	US-10-424-599-83198	Sequence 83198, A	C 952	45.4	3.4	15518	15	US-10-311-455-2145	Sequence 2145, App
C 880	46	3.5	1368	18	US-10-425-115-138542	Sequence 138542,	C 953	45.4	3.4	15518	15	US-10-240-485-177	Sequence 177, App
C 881	46	3.5	1661	18	US-10-723-860-8081	Sequence 8081, Ap	C 954	45.4	3.4	381	18	US-10-357-930-56447	Sequence 56447, A
C 882	46	3.5	1787	17	US-10-264-049-900	Sequence 900, App	C 955	45.4	3.4	387	18	US-10-021-323-7700	Sequence 7700, Ap
C 883	46	3.5	51259	17	US-10-374-077-209	Sequence 209, App	C 956	45.4	3.4	428	18	US-10-021-323-7700	Sequence 7700, Ap
C 884	45.8	3.4	244	17	US-10-424-599-12849	Sequence 12849, A	C 957	45.4	3.4	431	18	US-10-357-930-56195	Sequence 56195, A
C 885	45.8	3.4	257	9	US-09-954-456-2164	Sequence 2164, Ap	C 958	45.2	3.4	469	18	US-10-021-323-16830	Sequence 16830, A
C 886	45.8	3.4	257	9	US-09-880-107-3261	Sequence 3261, Ap	C 959	45.2	3.4	470	17	US-10-424-599-139525	Sequence 139525,
C 887	45.8	3.4	292	17	US-10-424-599-6797	Sequence 6797, Ap	C 960	45.2	3.4	470	17	US-10-021-323-6536	Sequence 6536, Ap
C 888	45.8	3.4	392	18	US-10-357-930-48375	Sequence 48375, A	C 961	45.2	3.4	485	18	US-10-021-323-7921	Sequence 7921, Ap
C 889	45.8	3.4	479	9	US-09-764-869-350	Sequence 350, App	C 962	45.2	3.4	541	18	US-10-425-115-57898	Sequence 57898, A
C 890	45.8	3.4	479	14	US-10-091-504-350	Sequence 350, App	C 963	45.2	3.4	548	18	US-10-021-323-7921	Sequence 7921, Ap
C 891	45.8	3.4	479	17	US-10-237-577-350	Sequence 350, App	C 964	45.2	3.4	548	18	US-10-021-323-16019	Sequence 16019, A
C 892	45.8	3.4	523	17	US-10-425-115-32707	Sequence 32707, A	C 965	45.2	3.4	606	18	US-10-425-115-107110	Sequence 107110, A
C 893	45.8	3.4	524	17	US-10-424-599-101267	Sequence 101267,	C 966	45.2	3.4	606	18	US-10-425-115-186222	Sequence 186222, A
C 894	45.8	3.4	534	18	US-10-021-323-7301	Sequence 7301, Ap	C 967	45.2	3.4	656	18	US-10-425-115-186222	Sequence 186222, A
C 895	45.8	3.4	542	18	US-10-425-115-7873	Sequence 7873, Ap	C 968	45.2	3.4	804	18	US-10-425-115-169645	Sequence 169645,
C 896	45.8	3.4	580	18	US-10-425-115-76168	Sequence 76168, A	C 969	45.2	3.4	884	17	US-10-424-599-135514	Sequence 135514,
C 897	45.8	3.4	583	18	US-10-425-115-50595	Sequence 50595, A	C 970	45.2	3.4	1393	17	US-10-424-599-135514	Sequence 135514,
C 898	45.8	3.4	607	17	US-10-424-599-87303	Sequence 87303, A	C 971	45.2	3.4	1418	16	US-10-389-757-158	Sequence 158, App
C 899	45.8	3.4	638	10	US-09-814-353-5533	Sequence 5533, Ap	C 972	45.2	3.4	1444	18	US-10-437-963-53733	Sequence 53733, A
C 900	45.8	3.4	638	10	US-09-814-353-11820	Sequence 11820, A	C 973	45.2	3.4	1545	18	US-10-425-115-53216	Sequence 53216, A
C 901	45.8	3.4	1012	18	US-10-078-770-155	Sequence 770, Ap	C 974	45.2	3.4	1814	18	US-10-723-860-3255	Sequence 3255, Ap
C 902	45.8	3.4	1105	17	US-10-424-599-72999	Sequence 72999, A	C 975	45.2	3.4	2092	18	US-10-425-115-58999	Sequence 58999, A
C 903	45.8	3.4	1201	18	US-10-723-860-7276	Sequence 7276, Ap	C 976	45.2	3.4	2218	14	US-09-933-767-232	Sequence 232, App
C 904	45.8	3.4	1299	18	US-10-739-930-1719	Sequence 1719, Ap	C 977	45.2	3.4	2218	14	US-10-004-860-103	Sequence 103, App
C 905	45.8	3.4	1432	18	US-10-437-963-9446	Sequence 9446, Ap	C 978	45.2	3.4	2218	14	US-10-023-282-103	Sequence 103, App
C 906	45.8	3.4	2003	18	US-10-723-860-5400	Sequence 5400, Ap	C 979	45.2	3.4	2464	17	US-10-424-599-39058	Sequence 39058, A
C 907	45.8	3.4	2025	18	US-10-425-115-83342	Sequence 83342, A	C 980	45.2	3.4	2826	18	US-10-723-860-5302	Sequence 5302, Ap
C 908	45.8	3.4	2369	18	US-10-739-930-72	Sequence 72, Appl	C 981	45.2	3.4	3602	14	US-10-171-311-67	Sequence 67, Appl
C 909	45.8	3.4	2688	17	US-10-424-599-119371	Sequence 119371,	C 982	45.2	3.4	256	9	US-09-732-560-89	Sequence 89, Appl
C 910	45.8	3.4	2781	17	US-10-424-599-76834	Sequence 76834, A	C 983	45.2	3.4	287	17	US-10-425-115-160516	Sequence 160516,
C 911	45.6	3.4	319	17	US-10-424-599-120040	Sequence 120040,	C 984	45.2	3.4	339	18	US-10-424-599-25262	Sequence 25262, A
C 912	45.6	3.4	323	18	US-10-424-599-111180	Sequence 111180,	C 985	45.2	3.4	392	17	US-10-125-968-1254	Sequence 1254, Ap
C 913	45.6	3.4	323	18	US-10-357-930-61015	Sequence 61015, A	C 986	45	3.4	392	17	US-10-424-599-135514	Sequence 135514,
C 914	45.6	3.4	385	18	US-10-425-115-83451	Sequence 83451, A	C 987	45	3.4	409	17	US-10-424-599-13063	Sequence 13063, A
C 915	45.6	3.4	405	18	US-10-425-115-28463	Sequence 28463, A	C 988	45	3.4	412	18	US-10-437-963-20515	Sequence 20515, A
C 916	45.6	3.4	420	10	US-09-814-353-12772	Sequence 12772, A	C 989	45	3.4	451	18	US-10-357-930-56797	Sequence 56797, A
C 917	45.6	3.4	421	10	US-09-814-353-5169	Sequence 5169, Ap	C 990	45	3.4	453	10	US-09-814-353-4809	Sequence 4809, Ap
C 918	45.6	3.4	438	18	US-10-357-930-45909	Sequence 45909, A	C 991	45	3.4	453	10	US-09-814-353-11106	Sequence 11106, A
C 919	45.6	3.4	465	14	US-10-198-846-1482	Sequence 1482, Ap	C 992	45	3.4	476	13	US-10-001-843-87	Sequence 87, Appl
C 920	45.6	3.4	482	18	US-10-425-115-41043	Sequence 41043, A	C 993	45	3.4				
C 921	45.6	3.4	534	18	US-10-021-323-13500	Sequence 13500, A	C 994	45	3.4				
C 922	45.6	3.4	549	10	US-09-814-353-17939	Sequence 17939, A	C 995	45	3.4				
C 923	45.6	3.4					C 996	45	3.4				



c1143	44.4	3.3	475	17	US-10-424-599-72883	Sequence 72883, A	c1216	44.2	3.3	652	18	US-10-425-115-28887	Sequence 28887, A
c1144	44.4	3.3	478	18	US-10-021-323-8799	Sequence 8799, Ap	1217	44.2	3.3	695	18	US-10-767-795-3196	Sequence 3196, Ap
c1145	44.4	3.3	480	18	US-10-021-323-6568	Sequence 6568, Ap	c1218	44.2	3.3	714	10	US-09-814-353-4684	Sequence 4684, Ap
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c1147	44.4	3.3	495	18	US-10-425-115-182394	Sequence 182394, A	1220	44.2	3.3	746	9	US-09-910-943-714	Sequence 714, App
c1148	44.4	3.3	509	18	US-10-021-323-10617	Sequence 10617, A	1221	44.2	3.3	760	10	US-09-933-767-103	Sequence 103, App
c1149	44.4	3.3	524	15	US-10-106-998-293	Sequence 293, App	1222	44.2	3.3	760	14	US-10-004-860-232	Sequence 232, App
c1150	44.4	3.3	524	17	US-10-284-049-44	Sequence 44, App	1223	44.2	3.3	760	14	US-10-023-282-232	Sequence 232, App
c1151	44.4	3.3	529	18	US-10-021-323-16088	Sequence 16088, A	1224	44.2	3.3	838	18	US-10-425-115-163680	Sequence 163680, A
c1152	44.4	3.3	539	18	US-10-021-323-14250	Sequence 14250, A	1225	44.2	3.3	845	18	US-10-425-115-60939	Sequence 60939, A
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c1154	44.4	3.3	557	18	US-10-021-323-2566	Sequence 2566, Ap	1227	44.2	3.3	892	14	US-10-198-846-7154	Sequence 7154, Ap
c1155	44.4	3.3	608	18	US-10-425-115-80992	Sequence 80992, A	1228	44.2	3.3	1183	17	US-10-310-154-124	Sequence 124, App
c1156	44.4	3.3	608	18	US-10-357-930-58617	Sequence 58617, A	c1229	44.2	3.3	1626	18	US-10-767-701-12707	Sequence 12707, A
c1157	44.4	3.3	651	18	US-10-425-115-177045	Sequence 177045, A	c1230	44.2	3.3	1673	17	US-10-374-780A-687	Sequence 687, App
c1158	44.4	3.3	657	17	US-10-424-599-9950	Sequence 9950, Ap	c1231	44.2	3.3	1673	17	US-10-412-699B-1140	Sequence 1140, Ap
c1159	44.4	3.3	690	14	US-10-198-846-8486	Sequence 8486, Ap	1232	44.2	3.3	1722	15	US-10-177-390-17	Sequence 17, Appl
c1160	44.4	3.3	976	18	US-10-425-115-138610	Sequence 138610, A	1233	44.2	3.3	3659	17	US-10-424-599-106975	Sequence 106975, A
c1161	44.4	3.3	1405	18	US-10-739-930-2095	Sequence 2095, Ap	1234	44	3.3	5870	15	US-10-205-823-1	Sequence 1, Appl
c1162	44.4	3.3	1416	18	US-10-425-115-10735	Sequence 10735, A	1235	44	3.3	276	18	US-10-425-115-114837	Sequence 114837, A
c1163	44.4	3.3	1491	18	US-10-425-115-126619	Sequence 126619, A	c1236	44	3.3	282	18	US-10-425-115-155595	Sequence 155595, A
c1164	44.4	3.3	1511	18	US-10-425-115-161690	Sequence 161690, A	1237	44	3.3	283	18	US-10-357-930-61322	Sequence 61322, A
c1165	44.4	3.3	1753	9	US-09-799-514-6	Sequence 6, Appl	c1238	44	3.3	289	18	US-10-425-115-100902	Sequence 100902, A
c1166	44.4	3.3	2793	17	US-10-424-599-73131	Sequence 73131, A	c1239	44	3.3	291	10	US-09-814-353-6090	Sequence 6090, Ap
c1167	44.4	3.3	3033	18	US-10-723-860-5853	Sequence 5853, Ap	1240	44	3.3	291	10	US-09-814-353-12369	Sequence 12369, A
c1168	44.4	3.3	3076	9	US-09-915-582-29	Sequence 29, Appl	c1241	44	3.3	300	18	US-10-437-963-52493	Sequence 52493, A
c1169	44.4	3.3	3076	16	US-10-277-802-29	Sequence 29, Appl	c1242	44	3.3	304	10	US-09-814-353-5441	Sequence 5441, Ap
c1170	44.4	3.3	3076	19	US-10-896-972-29	Sequence 29, Appl	1243	44	3.3	304	10	US-09-814-353-11728	Sequence 11728, A
c1171	44.4	3.3	3413	9	US-09-796-858-1	Sequence 1, Appl	1244	44	3.3	315	17	US-10-021-323-4925	Sequence 4925, Ap
c1172	44.4	3.3	3413	9	US-09-796-858-3	Sequence 3, Appl	c1245	44	3.3	316	17	US-10-424-599-20711	Sequence 20711, A
c1173	44.4	3.3	5065	18	US-10-723-860-5900	Sequence 5900, Ap	c1246	44	3.3	366	18	US-10-425-115-60747	Sequence 60747, A
c1174	44.4	3.3	5065	18	US-10-723-860-6999	Sequence 6999, Ap	1247	44	3.3	366	18	US-09-814-353-17908	Sequence 17908, A
c1175	44.4	3.3	5065	18	US-10-723-860-7288	Sequence 7288, Ap	1248	44	3.3	380	18	US-10-425-115-162812	Sequence 162812, A
c1176	44.2	3.3	93	9	US-09-925-299-497	Sequence 497, App	c1249	44	3.3	401	9	US-09-960-352-4144	Sequence 4144, Ap
c1177	44.2	3.3	93	10	US-09-925-299-497	Sequence 497, App	1250	44	3.3	411	18	US-10-437-963-95737	Sequence 95737, A
c1178	44.2	3.3	263	17	US-10-242-535A-16077	Sequence 16077, A	c1251	44	3.3	411	18	US-10-425-115-114009	Sequence 114009, A
c1179	44.2	3.3	263	17	US-10-085-783A-16077	Sequence 16077, A	c1252	44	3.3	414	18	US-10-425-115-72133	Sequence 72133, A
c1180	44.2	3.3	275	17	US-10-424-599-7740	Sequence 7740, Ap	1253	44	3.3	424	18	US-10-723-860-1936	Sequence 1936, Ap
c1181	44.2	3.3	287	18	US-10-425-115-54571	Sequence 54571, A	c1254	44	3.3	449	18	US-10-357-930-58637	Sequence 58637, A
c1182	44.2	3.3	299	10	US-09-814-353-4844	Sequence 4844, Ap	c1255	44	3.3	465	18	US-10-425-115-25455	Sequence 25455, A
c1183	44.2	3.3	299	10	US-09-814-353-11141	Sequence 11141, A	c1256	44	3.3	479	18	US-10-425-115-11982	Sequence 11982, A
c1184	44.2	3.3	312	18	US-10-425-115-61828	Sequence 61828, A	c1257	44	3.3	485	18	US-10-425-115-72931	Sequence 72931, A
c1185	44.2	3.3	321	18	US-10-357-930-48650	Sequence 48650, A	1258	44	3.3	496	17	US-10-240-425-249	Sequence 249, App
c1186	44.2	3.3	365	13	US-10-108-915-9	Sequence 9, Appl	c1259	44	3.3	504	18	US-10-437-963-923	Sequence 923, App
c1187	44.2	3.3	370	17	US-10-424-599-63717	Sequence 63717, A	c1260	44	3.3	512	10	US-09-814-353-5072	Sequence 5072, App
c1188	44.2	3.3	385	10	US-09-814-353-5368	Sequence 5368, Ap	c1261	44	3.3	512	10	US-09-814-353-11364	Sequence 11364, A
c1189	44.2	3.3	385	10	US-09-814-353-11655	Sequence 11655, A	c1262	44	3.3	517	18	US-10-021-323-11054	Sequence 11054, A
c1190	44.2	3.3	386	17	US-10-424-599-18199	Sequence 18199, A	c1263	44	3.3	522	18	US-10-357-930-54242	Sequence 54242, A
c1191	44.2	3.3	397	18	US-10-425-115-97367	Sequence 97367, A	c1264	44	3.3	549	18	US-10-357-930-56681	Sequence 56681, A
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c1193	44.2	3.3	419	18	US-10-425-115-180576	Sequence 180576, A	c1266	44	3.3	578	18	US-10-021-323-7450	Sequence 7450, Ap
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OM protein - nucleic search, using frame\_plus\_p2n model

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Searched: 5537552 seqs, 2974263231 residues

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Post-processing: Minimum Match 0%

Listing first 1500 summaries

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Pred. NO. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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506	730	100.0	1332	17	US-10-305-654-151
517	730	100.0	1332	17	US-10-081-056-151
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532	572	78.4	1186	10	US-09-764-891-10166
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534	245	33.6	158	9	US-09-864-761-23440
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c 536	105	14.4	160	16	US-10-029-386-24399
537	93.5	12.8	774	9	US-09-738-626-3115
538	93.5	12.8	1905	9	US-09-738-626-3114
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540	93.5	12.8	3309400	9	US-09-738-626-1
541	92	12.6	844	19	US-10-729-830-4
542	92	12.6	1011	19	US-10-729-830-7
543	91.5	12.5	5387	13	US-10-001-873-22
c 544	91	12.5	769	18	US-10-363-345A-16435
545	91	12.5	769	18	US-10-363-345A-16436
c 546	90	12.3	6935	17	US-10-240-589C-71
c 547	89	12.2	632	18	US-10-767-701-19464
c 548	89	12.2	110096	9	US-09-880-107-1542
c 550	87.5	12.1	4127	18	US-10-425-115-16774
551	87	11.9	1294	16	US-10-029-386-20774
552	87	11.9	3054	18	US-10-767-701-13918
c 553	86.5	11.8	573	18	US-10-425-115-40926
554	86.5	11.8	2414	17	US-10-424-599-24134
555	86.5	11.8	3895	18	US-10-494-674-43
556	86.5	11.8	3895	18	US-10-494-672-193
557	86.5	11.8	49914	18	US-10-322-281-299
558	86.5	11.8	9025608	15	US-10-156-761-1
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c 572	85.5	11.7	1328	18	US-10-767-701-15377
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574	85.5	11.7	23810	19	US-10-741-600-17925
c 575	85	11.6	568	16	US-10-029-386-572
c 576	85	11.6	1809	17	US-10-282-122A-30161
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578	85	11.6	4529	17	US-10-085-117-152
579	85	11.6	77038	17	US-10-085-117-151
c 580	85	11.6	77530	18	US-10-322-281-265
c 581	85	11.6	151830	18	US-10-744-796-37
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S88	84.5	11.6	1843	17	US-10-152-319A-1641	Sequence 1641, Ap	661	82	11.2	7084	15	US-10-017-161-689	Sequence 689, App
S89	84.5	11.6	1843	17	US-10-467-008-10	Sequence 10, Appl	662	81.5	11.2	534	16	US-10-029-386-8341	Sequence 8341, Ap
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S92	84	11.5	567	18	US-10-437-963-24972	Sequence 24972, A	665	81.5	11.2	699	13	US-10-027-632-193099	Sequence 193099,
S93	84	11.5	775	19	US-10-729-830-3	Sequence 3, Appl	666	81.5	11.2	699	18	US-10-027-632-193099	Sequence 193099,
S94	84	11.5	942	19	US-10-729-830-6	Sequence 6, Appl	667	81.5	11.2	718	18	US-10-425-115-47443	Sequence 47443, A
S95	84	11.5	1483	18	US-10-437-963-67369	Sequence 67369, A	668	81.5	11.2	1213	17	US-10-424-599-130397	Sequence 130397,
S96	84	11.5	1759	17	US-10-425-114-9314	Sequence 9314, Ap	669	81.5	11.2	2299	18	US-10-437-963-32105	Sequence 32105, A
S97	84	11.5	1864	17	US-10-425-114-10463	Sequence 10463, A	670	81.5	11.2	2752	10	US-09-919-039-71	Sequence 71, Appl
S98	84	11.5	1874	17	US-10-424-599-123054	Sequence 123054, A	671	81.5	11.2	3345	18	US-09-879-957-29	Sequence 29, Appl
S99	84	11.5	3650	18	US-10-437-963-31886	Sequence 31886, A	672	81.5	11.2	3345	18	US-10-807-856-29	Sequence 29, Appl
S100	84	11.5	38269	17	US-10-085-117-325	Sequence 325, App	673	81.5	11.2	5022	17	US-09-964-824A-237	Sequence 237, App
C601	83.5	11.4	739	9	US-10-425-115-98170	Sequence 98170, A	674	81.5	11.2	5022	17	US-10-172-118-1525	Sequence 1525, Ap
C602	83.5	11.4	938	9	US-09-037-657-16	Sequence 16, Appl	675	81.5	11.2	5022	17	US-10-440-464-100	Sequence 100, App
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C605	83.5	11.4	1930	9	US-09-037-657-22	Sequence 22, Appl	678	81.5	11.2	12425	9	US-09-976-740-50	Sequence 50, Appl
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C613	83.5	11.4	5187	16	US-10-421-446-9	Sequence 9, Appl	686	81	11.1	540	18	US-10-425-115-135649	Sequence 13422, A
C614	83.5	11.4	5288	8	US-08-954-701A-18	Sequence 18, Appl	687	81	11.1	540	18	US-10-363-345A-11025	Sequence 11025, A
C615	83.5	11.4	5288	16	US-09-754-032-18	Sequence 18, Appl	688	81	11.1	540	18	US-10-363-345A-11025	Sequence 11025, A
C616	83.5	11.4	5288	16	US-10-421-446-18	Sequence 18, Appl	689	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C617	83.5	11.4	6568	16	US-10-302-279-1	Sequence 1, Appl	690	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C618	83.5	11.4	6663	9	US-09-037-657-28	Sequence 28, Appl	691	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C619	83.5	11.4	10434	10	US-09-764-891-6160	Sequence 6160, Ap	692	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C620	83.5	11.4	11298	9	US-09-764-847-1343	Sequence 1343, Ap	693	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C621	83.5	11.4	11298	14	US-10-092-154-1343	Sequence 1343, Ap	694	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C622	83.5	11.4	22976	17	US-10-650-507-19	Sequence 19, Appl	695	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C623	83.5	11.4	41936	9	US-09-967-768A-116	Sequence 116, App	696	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C624	83.5	11.4	139389	17	US-10-236-031B-61	Sequence 61, Appl	697	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C625	83.5	11.4	775082	18	US-10-719-993-6844	Sequence 6844, Ap	698	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C626	83	11.4	564	18	US-10-653-047-3966	Sequence 3966, Ap	699	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C627	83	11.4	613	13	US-10-027-632-291357	Sequence 291357,	700	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C628	83	11.4	613	13	US-10-027-632-291357	Sequence 291357,	701	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C629	83	11.4	762	9	US-09-738-626-3116	Sequence 3116, Ap	702	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C630	83	11.4	972	17	US-10-282-122A-26479	Sequence 26479, A	703	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C631	83	11.4	975	17	US-10-282-122A-28212	Sequence 28212, A	704	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C632	83	11.4	4280	17	US-10-322-696-28	Sequence 68, App	705	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C633	83	11.4	22173	18	US-10-322-696-28	Sequence 68, App	706	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C634	83	11.4	66916	18	US-10-741-601-5708	Sequence 5708, Ap	707	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C635	83	11.4	66916	18	US-10-741-601-5708	Sequence 5708, Ap	708	81	11.1	540	18	US-10-425-115-135649	Sequence 135649,
C636	82.5	11.3	796	14	US-10-198-846-5698	Sequence 5698, Ap	709	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C637	82.5	11.3	872	18	US-10-437-963-37705	Sequence 37705, A	710	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C638	82.5	11.3	1629	15	US-10-156-763-5000	Sequence 5000, Ap	711	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C639	82.5	11.3	1975	18	US-10-264-237-1379	Sequence 1379, Ap	712	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C640	82.5	11.3	2049	18	US-10-437-963-27643	Sequence 27643, A	713	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C641	82.5	11.3	2063	17	US-10-104-047-1711	Sequence 1711, Ap	714	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C642	82.5	11.3	5567	17	US-10-276-774-733	Sequence 733, App	715	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C643	82.5	11.3	6649	17	US-10-302-172-384	Sequence 384, App	716	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C644	82.5	11.3	23187	16	US-10-214-684A-1	Sequence 1, Appl	717	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C645	82	11.2	511	9	US-09-864-761-22817	Sequence 22817, A	718	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C646	82	11.2	515	9	US-09-864-761-22817	Sequence 22817, A	719	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C647	82	11.2	673	13	US-10-027-632-291358	Sequence 291358, A	720	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C648	82	11.2	613	17	US-10-027-632-291358	Sequence 291358, A	721	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C649	82	11.2	868	17	US-09-925-300-299	Sequence 299, App	722	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C650	82	11.2	1385	17	US-10-425-114-34019	Sequence 34019, A	723	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C651	82	11.2	1969	18	US-09-864-761-3972	Sequence 3972, Ap	724	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C652	82	11.2	2007	18	US-10-844-874-9	Sequence 9, Appl	725	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C653	82	11.2	2035	14	US-09-873-367C-711	Sequence 711, App	726	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C654	82	11.2	2162	14	US-10-198-846-13433	Sequence 13433, A	727	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C655	82	11.2	2512	17	US-10-425-114-19677	Sequence 19677, A	728	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C656	82	11.2	3422	18	US-10-425-115-116763	Sequence 116763, A	729	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C657	82	11.2	4152	15	US-10-226-315-5	Sequence 5, Appl	730	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C658	82	11.2	5293	18	US-09-873-367C-279	Sequence 279, App	731	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A
C659	82	11.2	5293	18	US-10-723-860-4388	Sequence 4388, Ap	732	80.5	11.0	433	18	US-10-674-124A-21413	Sequence 21413, A



c 733	80	11.0	540	10	US-09-814-353-19008	Sequence 19008, A	806	78.5	10.8	557	18	US-10-425-115-174457	Sequence 174457,
c 734	80	11.0	589	18	US-10-425-115-139218	Sequence 139218, A	c 807	78.5	10.8	598	18	US-10-425-115-8777	Sequence 8777, Ap
c 735	80	11.0	598	18	US-10-425-115-32921	Sequence 32921, A	c 808	78.5	10.8	619	13	US-10-027-632-308806	Sequence 308806,
736	80	11.0	1428	7	US-10-369-493-45779	Sequence 45779, A	809	78.5	10.8	619	13	US-10-027-632-308807	Sequence 308807,
737	80	11.0	2150	9	US-09-826-752-13	Sequence 13, Appl	810	78.5	10.8	619	17	US-10-027-632-308806	Sequence 308806,
738	80	11.0	2150	19	US-10-912-434-13	Sequence 13, Appl	811	78.5	10.8	619	17	US-10-027-632-308807	Sequence 308807,
c 739	80	11.0	2395	15	US-10-106-698-1042	Sequence 1042, Ap	c 812	78.5	10.8	627	18	US-10-363-345A-25425	Sequence 25425, A
c 740	80	11.0	2395	15	US-10-437-963-53790	Sequence 53790, A	813	78.5	10.8	627	18	US-10-363-345A-25426	Sequence 25426, A
c 741	80	11.0	8058	9	US-09-880-107-2327	Sequence 2327, Ap	814	78.5	10.8	853	18	US-10-425-115-68118	Sequence 68118, A
742	80	11.0	32373	18	US-10-322-696-22	Sequence 22, Appl	c 815	78.5	10.8	948	18	US-10-425-115-114871	Sequence 114871,
c 743	80	11.0	54648	17	US-10-085-117-289	Sequence 289, App	c 816	78.5	10.8	988	18	US-10-437-963-21723	Sequence 21723, A
c 744	79.5	10.9	475	18	US-09-864-761-62033	Sequence 6203, Ap	c 817	78.5	10.8	1046	18	US-10-425-115-22735	Sequence 22735, A
c 745	79.5	10.9	538	18	US-10-425-115-140916	Sequence 140916, A	c 818	78.5	10.8	1059	18	US-10-437-963-80301	Sequence 80301, A
746	79.5	10.9	544	13	US-10-027-632-290828	Sequence 290828, A	819	78.5	10.8	1286	18	US-10-767-701-13663	Sequence 13663, A
747	79.5	10.9	544	17	US-10-027-632-290828	Sequence 290828, A	c 820	78.5	10.8	1286	17	US-10-369-493-35707	Sequence 35707, A
c 748	79.5	10.9	814	17	US-10-424-593-96339	Sequence 96339, A	821	78.5	10.8	1329	15	US-10-156-761-5661	Sequence 5661, Ap
c 749	79.5	10.9	903	18	US-10-437-963-41240	Sequence 41240, A	c 822	78.5	10.8	1388	18	US-10-357-930-23335	Sequence 23335, A
c 750	79.5	10.9	1001	18	US-10-425-115-149256	Sequence 149256, A	c 823	78.5	10.8	1388	18	US-10-357-930-23218	Sequence 23218, A
c 751	79.5	10.9	1001	17	US-10-424-593-1362	Sequence 1362, Ap	c 824	78.5	10.8	1388	18	US-10-437-963-42083	Sequence 42083, A
752	79.5	10.9	1050	17	US-10-369-493-31866	Sequence 31866, A	825	78.5	10.8	1360	9	US-09-738-626-507	Sequence 507, App
c 753	79.5	10.9	1078	18	US-10-363-345A-4013	Sequence 4013, Ap	c 826	78.5	10.8	1568	18	US-10-437-963-47855	Sequence 47855, A
754	79.5	10.9	1078	18	US-10-363-345A-4014	Sequence 4014, Ap	827	78.5	10.8	1683	18	US-10-781-014-587	Sequence 587, App
755	79.5	10.9	1812	17	US-10-267-502-149	Sequence 149, App	828	78.5	10.8	1690	19	US-10-494-836-11	Sequence 11, Appl
c 756	79.5	10.9	2031	18	US-10-473-574-51	Sequence 51, Appl	c 829	78.5	10.8	1690	19	US-10-494-836-17	Sequence 17, Appl
c 757	79.5	10.9	2283	18	US-10-437-963-6240	Sequence 6240, Ap	c 830	78.5	10.8	1695	18	US-10-363-345A-26913	Sequence 26913, A
c 758	79.5	10.9	2307	17	US-09-893-519A-87	Sequence 87, Appl	831	78.5	10.8	1695	18	US-10-363-345A-26914	Sequence 26914, A
c 759	79.5	10.9	3029	17	US-10-034-650-29	Sequence 29, Appl	832	78.5	10.8	1901	17	US-10-424-599-131648	Sequence 131648, A
760	79.5	10.9	3414	14	US-10-074-475-36	Sequence 36, Appl	c 833	78.5	10.8	2118	17	US-10-385-802-33	Sequence 33, Appl
c 761	79.5	10.9	27684	17	US-10-034-650-28	Sequence 28, Appl	c 834	78.5	10.8	2409	18	US-10-437-963-53415	Sequence 53415, A
c 762	79.5	10.9	31814	9	US-09-817-182-3	Sequence 3, Appl	835	78.5	10.8	2409	18	US-09-964-824A-266	Sequence 266, App
c 763	79.5	10.9	31814	18	US-10-473-349-3	Sequence 3, Appl	c 836	78.5	10.8	10578	17	US-10-292-798-867	Sequence 867, App
c 764	79.5	10.9	49589	18	US-10-322-281-834	Sequence 814, App	c 837	78.5	10.8	10578	17	US-10-741-600-17739	Sequence 17739, A
c 765	79.5	10.9	80339	18	US-10-719-993-6831	Sequence 6831, Ap	c 838	78.5	10.8	157875	14	US-09-935-464-1	Sequence 1, Appl
c 766	79.5	10.9	418	18	US-09-918-995-4290	Sequence 4290, Ap	c 839	78.5	10.8	157875	14	US-10-125-835-1	Sequence 1, Appl
767	79.5	10.8	487	9	US-09-747-155-301	Sequence 301, App	840	78.5	10.8	177049	18	US-10-322-696-49	Sequence 49, Appl
c 768	79.5	10.8	702	18	US-10-425-115-95429	Sequence 95429, A	841	78.5	10.8	360740	18	US-10-719-993-6792	Sequence 6792, Ap
769	79.5	10.8	864	18	US-10-437-963-7989	Sequence 7989, Ap	c 842	78.5	10.8	360740	9	US-09-738-626-1	Sequence 1, Appl
c 770	79.5	10.8	876	18	US-10-425-115-117881	Sequence 117881, A	c 843	78.5	10.7	503	18	US-10-425-115-174329	Sequence 174329, A
c 771	79.5	10.8	907	17	US-10-425-114-33687	Sequence 33687, A	844	78.5	10.7	554	16	US-10-029-386-5012	Sequence 5012, Ap
772	79.5	10.8	1104	17	US-10-425-114-31023	Sequence 31023, A	c 845	78.5	10.7	574	17	US-10-424-599-25076	Sequence 25076, A
773	79.5	10.8	1210	17	US-10-425-114-19235	Sequence 19235, A	c 846	78.5	10.7	575	18	US-10-363-345A-3835	Sequence 3835, Ap
774	79.5	10.8	1678	17	US-10-116-275-285	Sequence 285, App	c 847	78.5	10.7	575	18	US-10-363-345A-3836	Sequence 3836, Ap
775	79.5	10.8	1980	18	US-10-437-963-35290	Sequence 35290, A	c 848	78.5	10.7	600	17	US-10-240-454-63	Sequence 63, Appl
776	79.5	10.8	1995	18	US-10-425-115-56774	Sequence 56774, A	c 849	78.5	10.7	626	17	US-10-451-646-25	Sequence 25, Appl
c 777	79.5	10.8	2007	17	US-10-260-238-2292	Sequence 2292, Ap	c 850	78.5	10.7	676	18	US-10-767-701-13251	Sequence 13251, A
c 778	79.5	10.8	2007	17	US-10-260-238-530	Sequence 530, App	c 851	78.5	10.7	696	18	US-10-767-701-2324	Sequence 2324, Ap
779	79.5	10.8	2055	18	US-10-425-115-110259	Sequence 110259, A	c 852	78.5	10.7	708	18	US-10-653-047-7459	Sequence 7459, Ap
c 780	79.5	10.8	2345	18	US-10-425-115-110687	Sequence 110687, A	c 853	78.5	10.7	726	18	US-10-425-115-63937	Sequence 63937, A
c 781	79.5	10.8	2503	17	US-10-074-024-873	Sequence 873, App	c 854	78.5	10.7	738	18	US-10-425-115-146613	Sequence 146613, A
782	79.5	10.8	2606	18	US-10-437-963-92933	Sequence 92933, A	c 855	78.5	10.7	807	18	US-10-363-345A-3397	Sequence 3397, Ap
783	79.5	10.8	3808	14	US-10-174-363-11	Sequence 11, Appl	c 856	78.5	10.7	807	18	US-10-363-345A-3398	Sequence 3398, Ap
784	79.5	10.8	3894	18	US-10-425-115-95431	Sequence 95431, A	c 857	78.5	10.7	816	18	US-10-425-115-91989	Sequence 91989, A
c 785	79.5	10.8	5449	16	US-10-327-813-9	Sequence 9, Appl	c 858	78.5	10.7	1002	17	US-10-187-975-5	Sequence 5, Appl
786	79.5	10.8	5449	17	US-10-329-668-9	Sequence 9, Appl	c 859	78.5	10.7	1066	18	US-10-767-701-5653	Sequence 5653, Ap
787	79.5	10.8	5449	18	US-10-717-049-9	Sequence 9, Appl	c 860	78.5	10.7	1387	17	US-10-425-114-9681	Sequence 9681, Ap
788	79.5	10.8	5515	16	US-10-313-641-2	Sequence 2, Appl	c 861	78.5	10.7	1446	15	US-10-172-086-103	Sequence 103, Ap
789	79.5	10.8	5515	17	US-10-428-551-2	Sequence 2, Appl	c 862	78.5	10.7	1446	18	US-10-311-507-67	Sequence 67, Appl
c 790	79.5	10.8	5515	18	US-10-794-198A-2	Sequence 2, Appl	c 863	78.5	10.7	1446	18	US-10-480-846-103	Sequence 103, App
791	79.5	10.8	5988	18	US-10-437-963-99792	Sequence 99792, A	c 864	78.5	10.7	1614	9	US-09-976-740-45	Sequence 45, Appl
792	79.5	10.8	21781	18	US-10-322-696-25	Sequence 25, Appl	c 865	78.5	10.7	1614	13	US-10-023-529-45	Sequence 45, Appl
793	79.5	10.8	38692	18	US-10-322-696-121	Sequence 121, App	c 866	78.5	10.7	1614	13	US-10-023-529-45	Sequence 45, Appl
c 794	79.5	10.8	48680	13	US-10-087-192-2044	Sequence 2044, Ap	c 867	78.5	10.7	1614	17	US-10-616-187-45	Sequence 45, Appl
c 795	79.5	10.8	70779	13	US-10-087-192-1012	Sequence 1012, Ap	c 868	78.5	10.7	1614	17	US-10-671-242-45	Sequence 45, Appl
c 796	79.5	10.8	86081	18	US-10-741-601-5640	Sequence 5640, Ap	c 869	78.5	10.7	1817	17	US-10-425-114-30665	Sequence 30665, A
c 797	79.5	10.8	86081	19	US-10-741-600-17633	Sequence 17633, A	c 870	78.5	10.7	2152	18	US-10-437-963-46614	Sequence 46614, A
798	79.5	10.8	143306	9	US-09-729-920-3	Sequence 3, Appl	c 871	78.5	10.7	2153	17	US-10-302-172-753	Sequence 753, App
c 799	79.5	10.8	143306	13	US-10-887-932-3	Sequence 3, Appl	c 872	78.5	10.7	2154	9	US-09-929-583B-1	Sequence 1, Appl
c 800	79.5	10.8	200418	13	US-10-087-192-568	Sequence 568, App	c 873	78.5	10.7	2154	17	US-10-305-720-1214	Sequence 1214, Ap
c 801	78.5	10.8	428	17	US-10-424-599-134519	Sequence 134519, A	c 874	78.5	10.7	2154	17	US-10-641-643-1094	Sequence 1094, Ap
c 802	78.5	10.8	526	9	US-09-770-152-915	Sequence 915, App	c 875	78.5	10.7	2154	17	US-10-749-990-1	Sequence 1, Appl
c 803	78.5	10.8	543	13	US-10-027-632-250289	Sequence 250289, A	c 876	78.5	10.7	2202	18	US-10-437-963-52334	Sequence 52334, A
c 804	78.5	10.8	543	17	US-10-027-632-250289	Sequence 250289, A	c 877	78.5	10.7	2240	17	US-10-302-172-571	Sequence 571, App
805	78.5	10.8	550	18	US-10-425-115-120308	Sequence 120308, A	c 878	78.5	10.7	3444	17	US-10-369-493-40475	Sequence 40475, A

c 879	78	10.7	4259	16	US-10-133-013-236	Sequence 236, App	1017	77.5	10.6	5073	10	US-09-945-917-1	Sequence 1, Appli
880	78	10.7	5526	18	US-10-437-963-68175	Sequence 68175, A	1018	77.5	10.6	5237	18	US-10-618-941-59	Sequence 59, Appl
881	78	10.7	12425	9	US-09-976-740-50	Sequence 50, Appl	1019	77.5	10.6	5983	18	US-10-437-963-68258	Sequence 26, Appl
882	78	10.7	12425	13	US-10-023-529-50	Sequence 50, Appl	1020	77.5	10.6	7474	10	US-09-945-917-26	Sequence 26, Appl
883	78	10.7	12425	13	US-10-023-529-50	Sequence 50, Appl	1021	77.5	10.6	9642	10	US-09-945-917-30	Sequence 30, Appl
884	78	10.7	12425	17	US-10-616-187-50	Sequence 50, Appl	1022	77.5	10.6	10443	10	US-09-945-917-25	Sequence 25, Appl
885	78	10.7	12425	17	US-10-671-242-50	Sequence 50, Appl	1023	77.5	10.6	12382	18	US-10-723-860-2005	Sequence 2005, Ap
886	78	10.7	25001	17	US-10-187-659A-11	Sequence 11, Appl	1024	77.5	10.6	13414	18	US-10-945-917-27	Sequence 27, Appl
887	78	10.7	28616	17	US-10-455-552-1	Sequence 1, Appl	1025	77.5	10.6	23187	16	US-10-214-684A-1	Sequence 1, Appli
888	78	10.7	32193	9	US-09-764-868-1508	Sequence 1508, Ap	1026	77.5	10.6	25428	18	US-10-322-281-730	Sequence 730, App
c 889	78	10.7	48652	13	US-10-087-192-859	Sequence 859, App	c1027	77.5	10.6	26472	18	US-10-322-281-178	Sequence 178, App
890	78	10.7	102374	13	US-10-087-192-667	Sequence 667, App	c1028	77.5	10.6	31898	13	US-10-087-192-760	Sequence 760, App
891	78	10.7	116704	13	US-10-087-192-1456	Sequence 1456, App	1029	77.5	10.6	43058	9	US-09-954-456-292	Sequence 292, App
892	78	10.7	142201	18	US-10-719-993-6869	Sequence 6869, Ap	1030	77.5	10.6	43058	9	US-09-954-456-329	Sequence 329, App
893	78	10.7	161051	18	US-10-417-375-124	Sequence 170, App	1031	77.5	10.6	43058	9	US-09-880-107-3950	Sequence 3950, Ap
894	78	10.7	169998	17	US-10-380-931-24	Sequence 24, Appl	1032	77.5	10.6	47804	15	US-10-017-161-717	Sequence 717, App
895	78	10.7	197496	9	US-09-877-177-10	Sequence 10, Appl	1033	77.5	10.6	47804	17	US-10-292-798-629	Sequence 629, App
896	78	10.7	197496	9	US-10-426-836-10	Sequence 10, Appl	1034	77.5	10.6	59747	18	US-10-450-826-116	Sequence 116, App
c 897	77.5	10.6	361	18	US-10-357-930-4124	Sequence 4124, Ap	c1035	77.5	10.6	100445	13	US-10-322-281-170	Sequence 170, App
c 898	77.5	10.6	333	18	US-10-021-323-5263	Sequence 5263, Ap	c1036	77.5	10.6	157044	13	US-10-087-192-565	Sequence 565, App
c 899	77.5	10.6	425	9	US-09-983-965-2818	Sequence 2818, Ap	c1037	77.5	10.6	160771	18	US-10-450-826-86	Sequence 86, Appl
c 900	77.5	10.6	434	18	US-10-425-115-187475	Sequence 167475, A	c1038	77.5	10.6	165961	17	US-10-085-117-241	Sequence 241, App
901	77.5	10.6	463	18	US-10-437-963-85685	Sequence 85685, A	1039	77.5	10.6	493631	13	US-10-087-192-205	Sequence 205, App
902	77.5	10.6	465	9	US-09-864-761-1694	Sequence 1694, Ap	1040	77.5	10.6	510810	19	US-10-741-600-17606	Sequence 17606, A
c 903	77.5	10.6	580	13	US-10-918-995-1267	Sequence 1267, Ap	c1041	77	10.5	201	18	US-10-741-601-12266	Sequence 12266, A
c 904	77.5	10.6	593	13	US-10-027-633-133905	Sequence 133905, A	c1042	77	10.5	201	19	US-10-741-600-29929	Sequence 29929, A
c 905	77.5	10.6	593	17	US-10-027-633-133906	Sequence 133906, A	c1043	77	10.5	248	17	US-10-243-535A-25604	Sequence 25604, A
c 906	77.5	10.6	604	13	US-10-027-633-133906	Sequence 133906, A	c1044	77	10.5	248	17	US-10-085-783A-25604	Sequence 25604, A
c 907	77.5	10.6	604	17	US-10-027-633-133906	Sequence 133906, A	1045	77	10.5	435	18	US-10-425-115-166929	Sequence 166929, A
c 908	77.5	10.6	617	18	US-10-767-701-4303	Sequence 4303, Ap	c1046	77	10.5	502	9	US-09-923-779-114	Sequence 114, App
c 909	77.5	10.6	624	13	US-10-027-633-181884	Sequence 181884, A	c1047	77	10.5	515	18	US-09-814-353-13688	Sequence 13688, A
c 910	77.5	10.6	624	17	US-10-027-633-181884	Sequence 181884, A	1048	77	10.5	577	18	US-10-767-701-5597	Sequence 5597, Ap
c 911	77.5	10.6	714	18	US-10-437-963-77769	Sequence 77769, A	c1049	77	10.5	603	13	US-10-027-632-19205	Sequence 19205, A
c 912	77.5	10.6	748	17	US-10-425-114-14078	Sequence 14078, A	c1050	77	10.5	603	17	US-10-027-632-19205	Sequence 19205, A
c 913	77.5	10.6	752	13	US-10-027-633-148598	Sequence 148598, A	1051	77	10.5	610	18	US-10-425-115-116045	Sequence 116045, A
c 914	77.5	10.6	752	17	US-10-027-633-148598	Sequence 148598, A	c1052	77	10.5	627	18	US-10-437-963-96103	Sequence 96103, A
c 915	77.5	10.6	866	18	US-10-767-701-8242	Sequence 8242, Ap	c1053	77	10.5	687	18	US-10-767-701-698	Sequence 698, App
c 916	77.5	10.6	1110	17	US-10-172-118-1633	Sequence 1633, Ap	c1054	77	10.5	735	17	US-10-172-118-1923	Sequence 1923, Ap
c 917	77.5	10.6	1110	17	US-10-342-887-1633	Sequence 1633, Ap	c1055	77	10.5	735	17	US-10-342-887-1923	Sequence 1923, Ap
c 918	77.5	10.6	1110	18	US-10-473-974-134	Sequence 134, App	c1056	77	10.5	735	17	US-10-188-832-150	Sequence 150, App
c 919	77.5	10.6	1284	18	US-10-739-930-4925	Sequence 4925, Ap	1057	77	10.5	812	18	US-10-425-115-24809	Sequence 24809, A
c 920	77.5	10.6	1291	17	US-10-302-172-843	Sequence 843, App	c1058	77	10.5	831	13	US-10-027-632-167622	Sequence 167622, A
c 957	77.5	10.6	1310	16	US-10-013-909A-337	Sequence 337, App	c1059	77	10.5	831	17	US-10-027-632-167622	Sequence 167622, A
c 987	77.5	10.6	1353	15	US-10-050-882-28	Sequence 28, Appl	1060	77	10.5	835	18	US-10-425-115-40960	Sequence 40960, A
c 988	77.5	10.6	1400	9	US-09-815-333-1	Sequence 1, Appli	c1061	77	10.5	1166	18	US-10-425-115-42135	Sequence 42135, A
c 989	77.5	10.6	1663	18	US-10-425-115-153784	Sequence 153784, A	1062	77	10.5	1391	17	US-10-074-024-545	Sequence 545, App
c 990	77.5	10.6	1744	9	US-09-925-297-359	Sequence 359, App	c1063	77	10.5	1566	18	US-10-437-963-41643	Sequence 41643, A
991	77.5	10.6	1901	15	US-10-339-056-2	Sequence 2, Appli	1064	77	10.5	1777	17	US-10-425-114-24475	Sequence 24475, A
992	77.5	10.6	1901	16	US-10-400-991-12	Sequence 12, Appl	c1065	77	10.5	1816	19	US-10-734-049A-340	Sequence 340, App
993	77.5	10.6	1915	16	US-10-112-857-12	Sequence 12, Appl	c1066	77	10.5	2045	15	US-10-037-270-759	Sequence 759, App
994	77.5	10.6	2035	17	US-10-108-260A-398	Sequence 398, App	c1067	77	10.5	2045	17	US-10-117-722-759	Sequence 759, App
995	77.5	10.6	2119	17	US-10-425-114-22419	Sequence 22419, A	1068	77	10.5	2201	18	US-10-437-963-77691	Sequence 77691, A
996	77.5	10.6	2147	18	US-10-220-382-26	Sequence 26, Appl	c1069	77	10.5	2315	17	US-10-104-047-1818	Sequence 1818, Ap
997	77.5	10.6	2154	15	US-10-363-829-118	Sequence 118, App	c1070	77	10.5	2546	17	US-10-469-625-1	Sequence 1, Appli
998	77.5	10.6	2306	18	US-10-715-117-8	Sequence 8, Appli	c1071	77	10.5	2571	17	US-10-641-643-203	Sequence 203, App
999	77.5	10.6	2421	18	US-10-425-115-112931	Sequence 112931, A	1072	77	10.5	3019	17	US-10-108-260A-1626	Sequence 1626, App
c1000	77.5	10.6	2559	17	US-10-424-599-4791	Sequence 4791, Ap	c1073	77	10.5	3186	17	US-10-240-425-1573	Sequence 1573, Ap
1001	77.5	10.6	2573	18	US-10-437-963-54027	Sequence 54027, A	1074	77	10.5	3458	14	US-10-261-482-1	Sequence 1, Appli
1002	77.5	10.6	2824	9	US-09-992-481-5	Sequence 5, Appli	1075	77	10.5	3489	9	US-09-796-338A-13	Sequence 13, Appl
1003	77.5	10.6	2824	16	US-10-434-034-5	Sequence 5, Appli	1076	77	10.5	3489	15	US-10-282-837-13	Sequence 13, Appl
c1004	77.5	10.6	2906	18	US-10-425-115-10197	Sequence 10197, A	1077	77	10.5	3489	15	US-10-145-586-13	Sequence 13, Appl
1005	77.5	10.6	3872	17	US-10-437-963-57556	Sequence 57556, A	1078	77	10.5	3489	17	US-10-407-079-89	Sequence 89, Appl
1006	77.5	10.6	4200	17	US-10-199-675-12	Sequence 12, Appl	1079	77	10.5	4256	17	US-10-292-798-601	Sequence 601, App
1007	77.5	10.6	4217	10	US-09-945-917-12	Sequence 49, Appl	1080	77	10.5	5799	18	US-10-437-963-68226	Sequence 68226, A
1008	77.5	10.6	4382	10	US-09-945-917-53	Sequence 53, Appl	1081	77	10.5	5820	18	US-10-437-963-66152	Sequence 3, Appli
1009	77.5	10.6	4584	10	US-09-945-917-51	Sequence 51, Appl	1082	77	10.5	8001	14	US-10-261-482-3	Sequence 3, Appli
1010	77.5	10.6	4642	10	US-09-945-917-50	Sequence 50, Appl	1083	77	10.5	8065	18	US-10-723-860-7468	Sequence 7468, Ap
1011	77.5	10.6	4643	10	US-09-945-917-54	Sequence 54, Appl	1084	77	10.5	12879	18	US-10-304-098-4	Sequence 4, Appli
1012	77.5	10.6	4674	15	US-10-171-581-346	Sequence 346, App	1085	77	10.5	13865	17	US-10-375-741-11	Sequence 11, Appl
1013	77.5	10.6	4749	10	US-09-945-917-55	Sequence 55, Appl	c1086	77	10.5	14117	18	US-10-482-936-1	Sequence 1, Appli
1014	77.5	10.6	5009	10	US-09-945-917-52	Sequence 52, Appl	c1087	77	10.5	14117	18	US-10-482-936-3	Sequence 3, Appli
1015	77.5	10.6	5010	10	US-09-945-917-56	Sequence 56, Appl	1088	77	10.5	14535	17	US-10-242-355-685	Sequence 685, App
1016	77.5	10.6	5072	10	US-09-945-917-2	Sequence 2, Appli	c1089	77	10.5	20922	17	US-09-942-025-14	Sequence 14, Appl

c1090	77	10.5	35956	15	US-10-017-161-761	Sequence 761, App	1163	76.5	10.5	43623	19	US-10-741-600-17818	Sequence 17818, A
c1091	77	10.5	47493	17	US-10-052-482-55	Sequence 55, App	c1164	76.5	10.5	75270	18	US-09-790-852-1	Sequence 1, Appl
c1092	77	10.5	67311	17	US-09-942-025-1	Sequence 1, Appl	c1165	76.5	10.5	75270	18	US-10-723-860-2554	Sequence 2554, App
c1093	77	10.5	72705	13	US-10-087-192-1966	Sequence 1966, App	c1166	76.5	10.5	96598	11	US-09-997-723-127	Sequence 127, App
c1094	77	10.5	172569	13	US-10-087-192-1366	Sequence 1366, App	c1167	76.5	10.5	398287	18	US-10-741-601-5719	Sequence 5719, App
c1095	77	10.5	227968	18	US-10-723-860-1357	Sequence 1357, App	c1168	76.5	10.5	398287	19	US-10-741-600-17839	Sequence 17839, A
c1096	77	10.5	653122	13	US-10-087-192-226	Sequence 226, App	c1169	76	10.4	424	9	US-09-728-445-319	Sequence 319, App
c1097	77	10.5	198090	19	US-10-741-600-17676	Sequence 17676, A	c1170	76	10.4	495	18	US-10-425-115-37636	Sequence 37636, A
c1098	76.5	10.5	201	19	US-10-741-601-12265	Sequence 12265, A	c1171	76	10.4	504	9	US-09-923-779-110	Sequence 110, App
c1099	76.5	10.5	201	19	US-10-741-600-29528	Sequence 29528, A	c1172	76	10.4	519	18	US-10-437-963-69472	Sequence 69472, A
c1100	76.5	10.5	414	18	US-10-767-701-18687	Sequence 18687, A	c1173	76	10.4	532	9	US-09-923-779-132	Sequence 132, App
c1101	76.5	10.5	636	18	US-10-363-345A-16707	Sequence 16707, A	c1174	76	10.4	533	9	US-09-923-779-36	Sequence 36, Appl
c1102	76.5	10.5	636	18	US-10-363-345A-16708	Sequence 16708, A	c1175	76	10.4	533	9	US-09-923-779-109	Sequence 109, App
c1103	76.5	10.5	670	18	US-10-437-963-41075	Sequence 41075, A	c1176	76	10.4	533	9	US-09-923-779-130	Sequence 130, App
c1104	76.5	10.5	700	9	US-09-864-761-17529	Sequence 17529, A	c1177	76	10.4	533	9	US-09-923-779-131	Sequence 131, App
c1105	76.5	10.5	862	18	US-10-102-1484	Sequence 1484, App	c1178	76	10.4	533	9	US-09-923-779-133	Sequence 133, App
c1106	76.5	10.5	917	18	US-10-363-345A-17361	Sequence 17361, A	c1179	76	10.4	533	9	US-09-923-779-143	Sequence 143, App
c1107	76.5	10.5	917	18	US-10-363-345A-17362	Sequence 17362, A	c1180	76	10.4	533	9	US-09-923-779-143	Sequence 143, App
c1108	76.5	10.5	1018	9	US-09-864-761-19967	Sequence 19967, A	c1181	76	10.4	536	16	US-10-029-386-4202	Sequence 4202, App
c1109	76.5	10.5	1035	10	US-09-814-353-20195	Sequence 20195, A	c1182	76	10.4	581	18	US-10-021-323-5852	Sequence 5852, App
c1110	76.5	10.5	1037	18	US-10-437-963-32660	Sequence 32660, A	c1183	76	10.4	591	18	US-10-021-323-9162	Sequence 9162, App
c1111	76.5	10.5	1035	18	US-10-437-963-86085	Sequence 86085, A	c1184	76	10.4	590	18	US-10-425-115-112717	Sequence 112717, A
c1112	76.5	10.5	1095	18	US-10-437-963-93303	Sequence 93303, A	c1185	76	10.4	595	18	US-10-425-115-97678	Sequence 97678, A
c1113	76.5	10.5	1111	13	US-10-027-632-101132	Sequence 101132, A	c1186	76	10.4	628	10	US-09-764-891-976	Sequence 976, App
c1114	76.5	10.5	1111	17	US-10-027-632-101132	Sequence 101132, A	c1187	76	10.4	639	17	US-10-332-853-283	Sequence 283, App
c1115	76.5	10.5	1199	18	US-10-437-963-35078	Sequence 35078, A	c1188	76	10.4	710	18	US-10-767-701-7396	Sequence 7396, App
c1116	76.5	10.5	1214	13	US-10-027-632-203565	Sequence 203565, A	c1189	76	10.4	717	9	US-09-815-242-7765	Sequence 7765, App
c1117	76.5	10.5	1214	17	US-10-027-632-203565	Sequence 203565, A	c1190	76	10.4	717	18	US-10-282-122A-30175	Sequence 30175, A
c1118	76.5	10.5	1228	17	US-10-425-114-19521	Sequence 19521, A	c1191	76	10.4	717	18	US-10-478-914-42	Sequence 42, Appl
c1119	76.5	10.5	1248	18	US-10-437-963-57697	Sequence 57697, A	c1192	76	10.4	719	9	US-09-740-668A-13	Sequence 13, Appl
c1120	76.5	10.5	1323	17	US-10-425-114-31978	Sequence 31978, A	c1193	76	10.4	825	17	US-10-424-599-42171	Sequence 42171, A
c1121	76.5	10.5	1486	18	US-10-425-115-177427	Sequence 177427, A	c1194	76	10.4	828	17	US-09-815-242-7971	Sequence 7971, App
c1122	76.5	10.5	1514	17	US-10-172-118-1491	Sequence 1491, App	c1195	76	10.4	828	17	US-10-282-122A-30566	Sequence 30566, A
c1123	76.5	10.5	1514	17	US-10-342-887-1491	Sequence 1491, App	c1196	76	10.4	893	18	US-10-437-963-77771	Sequence 77771, A
c1124	76.5	10.5	1547	18	US-10-437-963-85409	Sequence 85409, A	c1197	76	10.4	912	17	US-10-424-599-104986	Sequence 104986, A
c1125	76.5	10.5	1640	18	US-10-425-115-90083	Sequence 90083, A	c1198	76	10.4	1000	18	US-10-425-115-158119	Sequence 158119, A
c1126	76.5	10.5	1686	17	US-10-369-493-36841	Sequence 36841, A	c1199	76	10.4	1025	17	US-10-425-114-4601	Sequence 4601, App
c1127	76.5	10.5	1749	15	US-10-156-761-4806	Sequence 4806, App	c1200	76	10.4	1062	17	US-10-425-114-17725	Sequence 17725, A
c1128	76.5	10.5	1930	18	US-10-425-115-134727	Sequence 134727, A	c1201	76	10.4	1080	10	US-09-953-348-53	Sequence 53, Appl
c1129	76.5	10.5	2157	16	US-10-029-386-25369	Sequence 25369, A	c1202	76	10.4	1080	15	US-10-267-255-55	Sequence 55, Appl
c1130	76.5	10.5	2200	18	US-10-437-963-86609	Sequence 86609, A	c1203	76	10.4	1123	18	US-10-312-354-85	Sequence 85, Appl
c1131	76.5	10.5	2516	15	US-10-225-567A-533	Sequence 533, App	c1204	76	10.4	1144	17	US-10-425-114-3406	Sequence 3406, A
c1132	76.5	10.5	2516	17	US-10-172-118-1819	Sequence 1819, App	c1205	76	10.4	1160	18	US-10-739-930-5132	Sequence 5132, App
c1133	76.5	10.5	2516	17	US-10-342-887-1819	Sequence 1819, App	c1206	76	10.4	1180	18	US-10-437-963-96342	Sequence 96342, A
c1134	76.5	10.5	2563	15	US-10-156-761-3914	Sequence 3914, App	c1207	76	10.4	1184	18	US-10-425-115-180692	Sequence 180692, A
c1135	76.5	10.5	2645	17	US-10-369-493-25661	Sequence 25661, A	c1208	76	10.4	1202	18	US-10-425-115-8776	Sequence 8776, App
c1136	76.5	10.5	2646	18	US-10-663-158-3	Sequence 3, Appl	c1209	76	10.4	1289	17	US-10-425-115-4962	Sequence 4962, App
c1137	76.5	10.5	2697	17	US-10-062-674-1584	Sequence 1584, App	c1210	76	10.4	1363	17	US-10-424-599-130398	Sequence 130398, A
c1138	76.5	10.5	2875	10	US-09-764-891-9635	Sequence 9635, App	c1211	76	10.4	1386	17	US-10-425-114-10440	Sequence 10440, A
c1139	76.5	10.5	3143	18	US-10-451-467A-327	Sequence 327, App	c1212	76	10.4	1399	17	US-10-425-114-20057	Sequence 20057, A
c1140	76.5	10.5	3548	18	US-10-437-963-70323	Sequence 70323, A	c1213	76	10.4	1435	18	US-10-437-963-1728	Sequence 1728, App
c1141	76.5	10.5	4476	18	US-10-437-963-98575	Sequence 98575, A	c1214	76	10.4	1435	18	US-10-437-963-23261	Sequence 23261, A
c1142	76.5	10.5	4877	18	US-10-761-169-13	Sequence 13, Appl	c1215	76	10.4	1543	17	US-10-424-599-120054	Sequence 120054, A
c1143	76.5	10.5	5540	18	US-10-478-146-26	Sequence 26, App	c1216	76	10.4	1572	17	US-10-424-599-120053	Sequence 120053, A
c1144	76.5	10.5	5913	18	US-10-437-963-68218	Sequence 68218, A	c1217	76	10.4	1620	17	US-10-424-599-113981	Sequence 113981, A
c1145	76.5	10.5	7097	17	US-10-085-198-107	Sequence 107, App	c1218	76	10.4	1637	9	US-09-915-582-31	Sequence 31, Appl
c1146	76.5	10.5	8147	13	US-10-109-886-9	Sequence 9, Appl	c1219	76	10.4	1657	16	US-10-277-802-31	Sequence 31, Appl
c1147	76.5	10.5	11466	18	US-10-723-860-5608	Sequence 5608, App	c1220	76	10.4	1657	15	US-10-896-973-31	Sequence 31, Appl
c1148	76.5	10.5	11598	18	US-10-719-993-402	Sequence 402, App	c1221	76	10.4	1671	15	US-10-156-761-3591	Sequence 3591, App
c1149	76.5	10.5	11602	18	US-10-719-993-403	Sequence 403, App	c1222	76	10.4	1675	18	US-10-437-963-64049	Sequence 64049, A
c1150	76.5	10.5	12493	18	US-10-739-946-1	Sequence 1, Appl	c1223	76	10.4	1741	15	US-10-229-193-13	Sequence 13, Appl
c1151	76.5	10.5	12494	16	US-10-252-157-263	Sequence 263, App	c1224	76	10.4	1746	9	US-09-915-582-15	Sequence 15, Appl
c1152	76.5	10.5	12505	17	US-10-115-831-18	Sequence 18, App	c1225	76	10.4	1746	16	US-10-277-802-15	Sequence 15, Appl
c1153	76.5	10.5	12515	11	US-09-918-6248-48	Sequence 48, App	c1226	76	10.4	1746	9	US-10-896-973-15	Sequence 15, Appl
c1154	76.5	10.5	12515	11	US-09-968-007A-989	Sequence 989, App	c1227	76	10.4	1810	9	US-09-764-868-102	Sequence 102, App
c1155	76.5	10.5	12515	17	US-10-388-360-313	Sequence 313, App	c1228	76	10.4	1810	11	US-09-764-875-137	Sequence 137, App
c1156	76.5	10.5	12515	17	US-10-719-993-405	Sequence 405, App	c1229	76	10.4	1845	17	US-10-108-260A-2192	Sequence 2192, App
c1157	76.5	10.5	12632	13	US-10-071-766-49	Sequence 49, App	c1230	76	10.4	2086	17	US-10-425-114-21287	Sequence 21287, A
c1158	76.5	10.5	12678	18	US-10-719-993-404	Sequence 404, App	c1231	76	10.4	2178	18	US-10-437-963-2845	Sequence 2845, App
c1159	76.5	10.5	14123	19	US-10-741-600-17921	Sequence 17921, A	c1232	76	10.4	2210	17	US-10-388-360-382	Sequence 382, App
c1160	76.5	10.5	16220	19	US-10-741-600-17562	Sequence 17562, A	c1233	76	10.4	2267	17	US-10-108-260A-1064	Sequence 1064, App
c1161	76.5	10.5	22644	13	US-10-087-192-445	Sequence 445, App	c1234	76	10.4	2508	17	US-10-133-937-52	Sequence 52, Appl
c1162	76.5	10.5	41736	18	US-10-719-993-6886	Sequence 6886, App	c1235	76	10.4	2508	17	US-10-159-563-52	Sequence 52, Appl

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1237	76	10.4	2553	17	US-10-108-260A-1445	Sequence 1445, Ap	cl1310	75.5	10.3	1060	18	US-10-357-930-21555	Sequence 21555, A
1238	76	10.4	2576	18	US-10-425-115-142628	Sequence 142628, A	cl1311	75.5	10.3	1060	18	US-10-357-930-21669	Sequence 21669, A
cl1239	76	10.4	2645	18	US-10-437-963-28827	Sequence 28827, A	cl1312	75.5	10.3	1060	18	US-10-357-930-21919	Sequence 21919, A
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cl1242	76	10.4	2742	18	US-10-437-963-17873	Sequence 17873, A	cl1315	75.5	10.3	1060	18	US-10-357-930-26543	Sequence 26543, A
1243	76	10.4	2959	18	US-10-437-963-17873	Sequence 17873, A	cl1316	75.5	10.3	1060	18	US-10-357-930-27296	Sequence 27296, A
1244	76	10.4	3193	17	US-10-406-073-5	Sequence 5529, A	cl1317	75.5	10.3	1060	18	US-10-357-930-27343	Sequence 27343, A
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1247	76	10.4	4276	18	US-10-357-930-23413	Sequence 23413, A	cl1320	75.5	10.3	1060	18	US-10-357-930-27773	Sequence 27773, A
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1252	76	10.4	5619	18	US-10-437-963-66159	Sequence 66159, A	cl1325	75.5	10.3	1119	18	US-10-437-963-52992	Sequence 52992, A
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1254	76	10.4	9618	9	US-09-764-864-1672	Sequence 1672, Ap	1327	75.5	10.3	1212	18	US-10-767-701-13756	Sequence 13756, A
1255	76	10.4	13886	19	US-10-741-600-17592	Sequence 17592, A	1328	75.5	10.3	1319	18	US-10-425-115-71613	Sequence 71613, A
1256	76	10.4	16689	18	US-10-717-597-139	Sequence 139, App	cl1329	75.5	10.3	1365	18	US-10-437-963-6591	Sequence 6591, Ap
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cl1260	76	10.4	65140	18	US-10-203-295-1	Sequence 1, Appl	cl1333	75.5	10.3	1775	18	US-10-437-963-41567	Sequence 41567, A
1261	76	10.4	80959	9	US-09-858-546-3	Sequence 3, Appl	1334	75.5	10.3	1842	19	US-10-487-422-64	Sequence 64, Appl
cl1262	76	10.4	124990	18	US-10-684-422-156	Sequence 156, App	1335	75.5	10.3	1848	18	US-10-425-115-175283	Sequence 175283, A
1263	76	10.4	125401	18	US-10-203-295-35	Sequence 35, Appl	cl1336	75.5	10.3	1981	17	US-10-108-260A-1070	Sequence 1070, Ap
cl1264	76	10.4	161531	18	US-10-322-281-252	Sequence 252, App	1337	75.5	10.3	1981	18	US-10-437-963-178086	Sequence 178086, A
1265	76	10.4	161531	18	US-10-087-192-826	Sequence 826, App	1338	75.5	10.3	2238	15	US-10-128-714-7343	Sequence 7343, Ap
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1267	75.5	10.3	323	9	US-09-925-302-435	Sequence 435, App	1340	75.5	10.3	2385	18	US-10-437-963-85973	Sequence 85973, A
cl1268	75.5	10.3	323	18	US-09-925-302-435	Sequence 435, App	1341	75.5	10.3	2439	18	US-10-739-930-4760	Sequence 4760, Ap
1269	75.5	10.3	442	18	US-10-437-963-85151	Sequence 85151, A	1342	75.5	10.3	2523	18	US-10-425-115-125857	Sequence 125857, A
cl1270	75.5	10.3	463	18	US-10-437-963-57551	Sequence 57551, A	1343	75.5	10.3	2523	18	US-10-060-036-36	Sequence 36, Appl
1271	75.5	10.3	472	18	US-10-767-701-14585	Sequence 14585, A	1344	75.5	10.3	2660	14	US-10-723-860-1629	Sequence 1629, Ap
cl1272	75.5	10.3	492	17	US-10-424-599-138374	Sequence 138374, A	1345	75.5	10.3	2660	18	US-10-425-115-39678	Sequence 39678, A
1273	75.5	10.3	528	16	US-10-029-386-5806	Sequence 5806, Ap	cl1346	75.5	10.3	2832	18	US-10-437-963-86211	Sequence 86211, A
cl1274	75.5	10.3	544	13	US-10-437-963-22870	Sequence 22870, A	1347	75.5	10.3	3319	18	US-10-723-860-5611	Sequence 5611, Ap
1275	75.5	10.3	544	16	US-10-033-528-1886	Sequence 1886, Ap	cl1348	75.5	10.3	3429	17	US-10-267-502-197	Sequence 197, App
cl1276	75.5	10.3	555	18	US-10-474-792-511	Sequence 511, App	1349	75.5	10.3	3453	13	US-10-108-605-300	Sequence 300, App
1277	75.5	10.3	564	18	US-10-363-345A-35011	Sequence 35011, A	cl1350	75.5	10.3	3458	16	US-10-277-161-70	Sequence 70, Appl
cl1278	75.5	10.3	564	18	US-10-363-345A-35012	Sequence 35012, A	1351	75.5	10.3	3567	17	US-10-085-117-252	Sequence 252, App
1279	75.5	10.3	575	13	US-10-767-701-2547	Sequence 2547, Ap	cl1352	75.5	10.3	4147	9	US-09-969-528-1	Sequence 1, Appl
cl1280	75.5	10.3	597	13	US-10-027-632-104511	Sequence 104511, A	1353	75.5	10.3	4270	18	US-10-723-860-5665	Sequence 5665, Ap
1281	75.5	10.3	597	13	US-10-027-632-325674	Sequence 325674, A	cl1354	75.5	10.3	4306	17	US-10-172-118-1164	Sequence 1164, Ap
cl1282	75.5	10.3	597	17	US-10-027-632-104511	Sequence 104511, A	1355	75.5	10.3	4306	17	US-10-085-117-251	Sequence 251, App
1283	75.5	10.3	637	17	US-10-027-632-325674	Sequence 325674, A	cl1356	75.5	10.3	4306	17	US-10-342-987-1164	Sequence 1164, Ap
cl1284	75.5	10.3	637	13	US-10-027-632-261571	Sequence 261571, A	1357	75.5	10.3	5273	15	US-10-003-919-3	Sequence 3, Appl
1285	75.5	10.3	637	13	US-10-027-632-261572	Sequence 261572, A	cl1358	75.5	10.3	5621	18	US-10-478-146-16	Sequence 16, Appl
cl1286	75.5	10.3	637	17	US-10-027-632-261571	Sequence 261571, A	1359	75.5	10.3	5808	15	US-10-171-581-160	Sequence 160, App
1287	75.5	10.3	637	17	US-10-027-632-261572	Sequence 261572, A	cl1360	75.5	10.3	6573	13	US-10-437-963-5283	Sequence 5283, Ap
cl1288	75.5	10.3	637	17	US-10-027-632-261573	Sequence 261573, A	1361	75.5	10.3	7363	13	US-10-087-192-1931	Sequence 1931, Ap
1289	75.5	10.3	663	18	US-10-767-701-26652	Sequence 26652, A	cl1362	75.5	10.3	14738	10	US-09-764-891-5637	Sequence 5637, Ap
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1291	75.5	10.3	734	17	US-10-260-238-826	Sequence 826, App	cl1364	75.5	10.3	19345	17	US-09-764-891-5639	Sequence 58, Appl
cl1292	75.5	10.3	751	18	US-10-425-115-104807	Sequence 104807, A	1365	75.5	10.3	34641	9	US-09-954-456-1110	Sequence 1110, Ap
1293	75.5	10.3	825	10	US-09-953-348-58	Sequence 58, Appl	cl1366	75.5	10.3	34641	9	US-09-954-456-1110	Sequence 1787, Ap
cl1294	75.5	10.3	825	15	US-10-267-255-58	Sequence 255, App	1367	75.5	10.3	34641	18	US-09-931-733-6	Sequence 6, Appl
1295	75.5	10.3	867	15	US-10-156-761-2709	Sequence 2709, Ap	cl1368	75.5	10.3	37644	10	US-10-043-160-33	Sequence 33, Appl
cl1296	75.5	10.3	895	14	US-10-125-237-17	Sequence 17, Appl	1369	75.5	10.3	3847	13	US-10-087-192-868	Sequence 868, App
1297	75.5	10.3	895	14	US-10-105-891-17	Sequence 53, Appl	cl1370	75.5	10.3	48667	9	US-10-822-268A-3	Sequence 3, Appl
cl1298	75.5	10.3	903	16	US-10-119-428-53	Sequence 49, Appl	1371	75.5	10.3	48667	17	US-10-391-777-3	Sequence 3, Appl
1299	75.5	10.3	903	17	US-10-221-278-49	Sequence 49, Appl	cl1372	75.5	10.3	49745	13	US-10-087-192-1930	Sequence 1930, Ap
cl1300	75.5	10.3	915	17	US-10-264-049-440	Sequence 440, App	1373	75.5	10.3	116327	18	US-10-723-860-2002	Sequence 2002, Ap
1301	75.5	10.3	998	17	US-10-425-114-23952	Sequence 23952, A	cl1374	75.5	10.3	116327	14	US-10-719-993-6867	Sequence 11, Appl
cl1302	75.5	10.3	1045	18	US-10-357-930-20584	Sequence 20584, A	1375	75.5	10.3	118951	14	US-10-161-572-11	Sequence 11, Appl
1303	75.5	10.3	1060	18	US-10-357-930-20584	Sequence 20584, A	cl1376	75.5	10.3	158001	17	US-10-211-179-11	Sequence 250, App
cl1304	75.5	10.3	1060	18	US-10-357-930-20692	Sequence 20692, A	1377	75.5	10.3	168749	17	US-10-085-117-250	Sequence 622, App
1305	75.5	10.3	1060	18	US-10-357-930-20692	Sequence 20692, A	cl1378	75.5	10.3	168749	13	US-10-087-192-622	Sequence 88, Appl
cl1306	75.5	10.3	1060	18	US-10-357-930-20703	Sequence 20703, A	cl1379	75.5	10.3	220895	9	US-10-775-169-88	Sequence 1, Appl
1307	75.5	10.3	1060	18	US-10-357-930-21455	Sequence 21455, A	cl1380	75.5	10.3	1503841	18	US-09-795-668-1	Sequence 1, Appl
cl1308	75.5	10.3	1060	18	US-10-357-930-21455	Sequence 21455, A	1381	75.5	10.3	1503841	9	US-09-795-668-1	Sequence 1, Appl



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